

# Lower Manhattan Coastal Resiliency

July 24th, 2023 Community Board 1  
Update

**NYC** Mayor's Office of Climate &  
Environmental Justice

Battery  
Park City  
Authority



NYC Parks

**NYC** / **EDC**

**NYC** Department of  
**DDC** Design and  
Construction

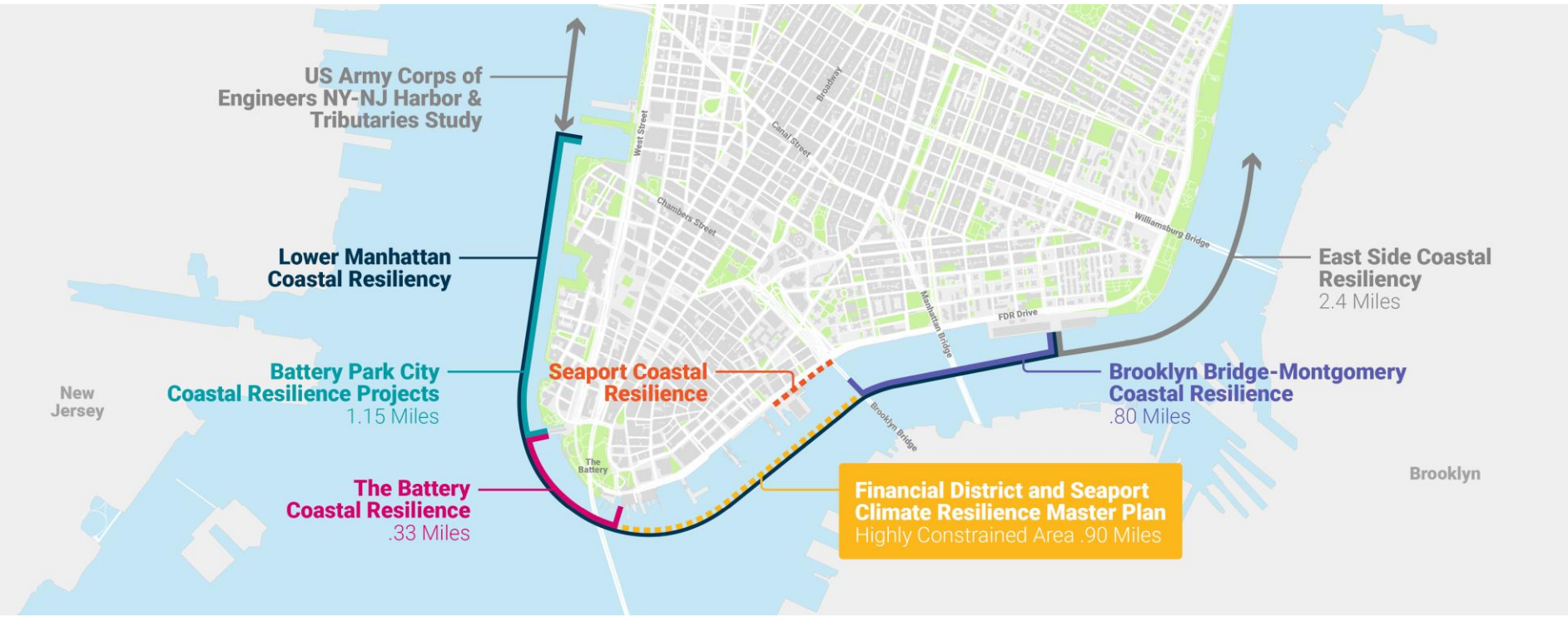


# Agenda

- Overall LMCR Update
- Project Updates
  - Fidi/Seaport Master Plan
  - BPCA Projects
  - Battery Coastal Resilience
  - BMCR
  - Seaport Coastal Resilience
- Ongoing engagement opportunities



**In Lower Manhattan, the City, State, and Federal governments have committed over \$1.7B in capital investments for climate adaptation projects. **The Financial District and Seaport Climate Resilience Master Plan** will fill a missing link in Lower Manhattan's comprehensive flood defense infrastructure.**







# FiDi and Seaport

Climate  
Resilience  
Plan



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## Community Board 1

Environmental Protection Committee: LMCR  
Quarterly Update  
July 24<sup>th</sup>, 2023

NYC/EDC

NYC

Mayor's Office of Climate &  
Environmental Justice



# Today's Agenda

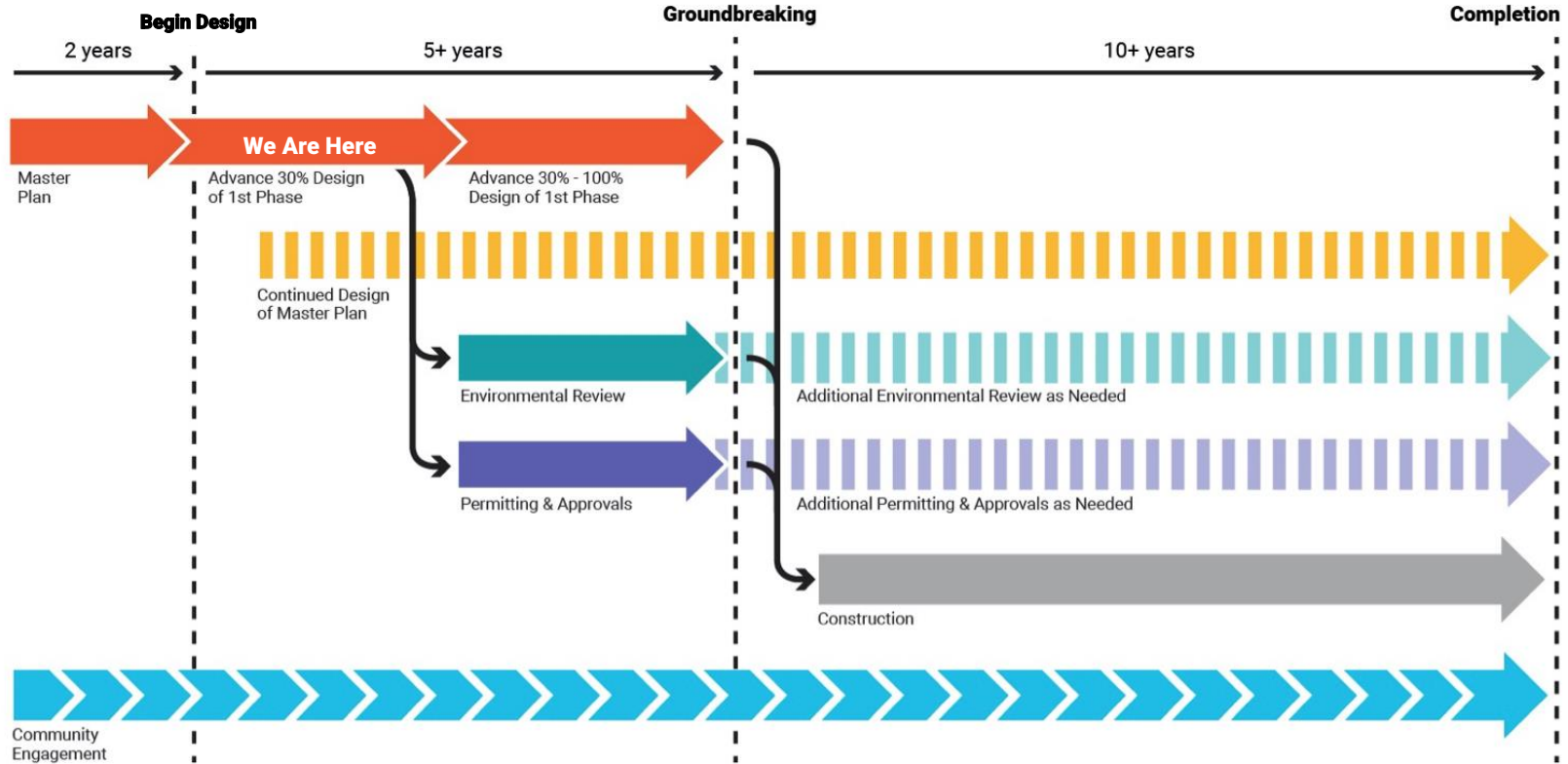
1. Overall Process & Timeline
2. Design Updates
3. Energy & Sustainability
4. Implementation
5. Next Steps



# Where are we in the overall project timeline?



# We are still early stages of the project's timeline.

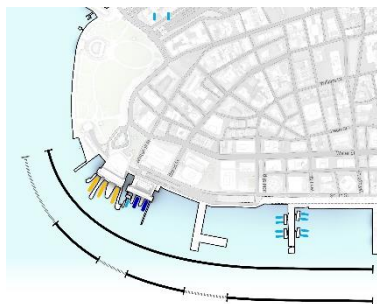




The project team recently completed Phase V; looking ahead, the next phases will focus on **advancing the engineering and design for the flood protection infrastructure** so that environmental review can begin in 2026.

### Phase V

Summer 2022 – Summer 2023



- Refine design inputs (maritime, stormwater, open space & circulation, energy & sustainability) used in the Master Plan's early conceptual design
- Update in-water footprint to reflect design changes

**Refined conceptual master plan design**

### Phase VI

Summer 2023 – Summer 2024

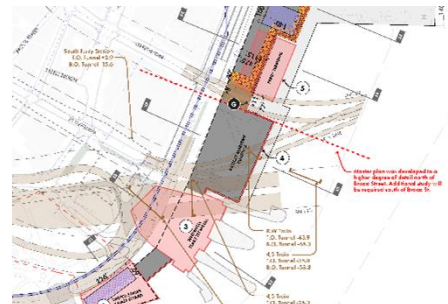


- Advance technical studies and engineering for flood protection infrastructure while further studying access, program, and green spaces

**15-20% "schematic" design for base infrastructure and update concept design for all other elements**

### Phase VII

Summer 2024 – End of 2025



- Advance technical studies and engineering for flood protection infrastructure while further studying access, program, and green spaces

**30% "preliminary" design for base infrastructure and 10% concept design for all other elements**



# We met with more stakeholders throughout Phase V whose feedback informed the updated design.

## Please share suggestions for other organizations to reach out to:

### Community-based organizations:

- **>100 people attended**
- Billion Oyster Project
- FiDi Neighborhood Association
- Municipal Arts Society
- Seaport Coalition
- South Street Seaport Museum
- Rise to Resilience
- Park Row Alliance
- Alfred E. Smith Houses

### They provided input on:

- Maritime configurations
- Heliport operations
- Emergency access
- Pump station
- USCG site
- In-water footprint



Technical Mariners  
Workshop, May 2023

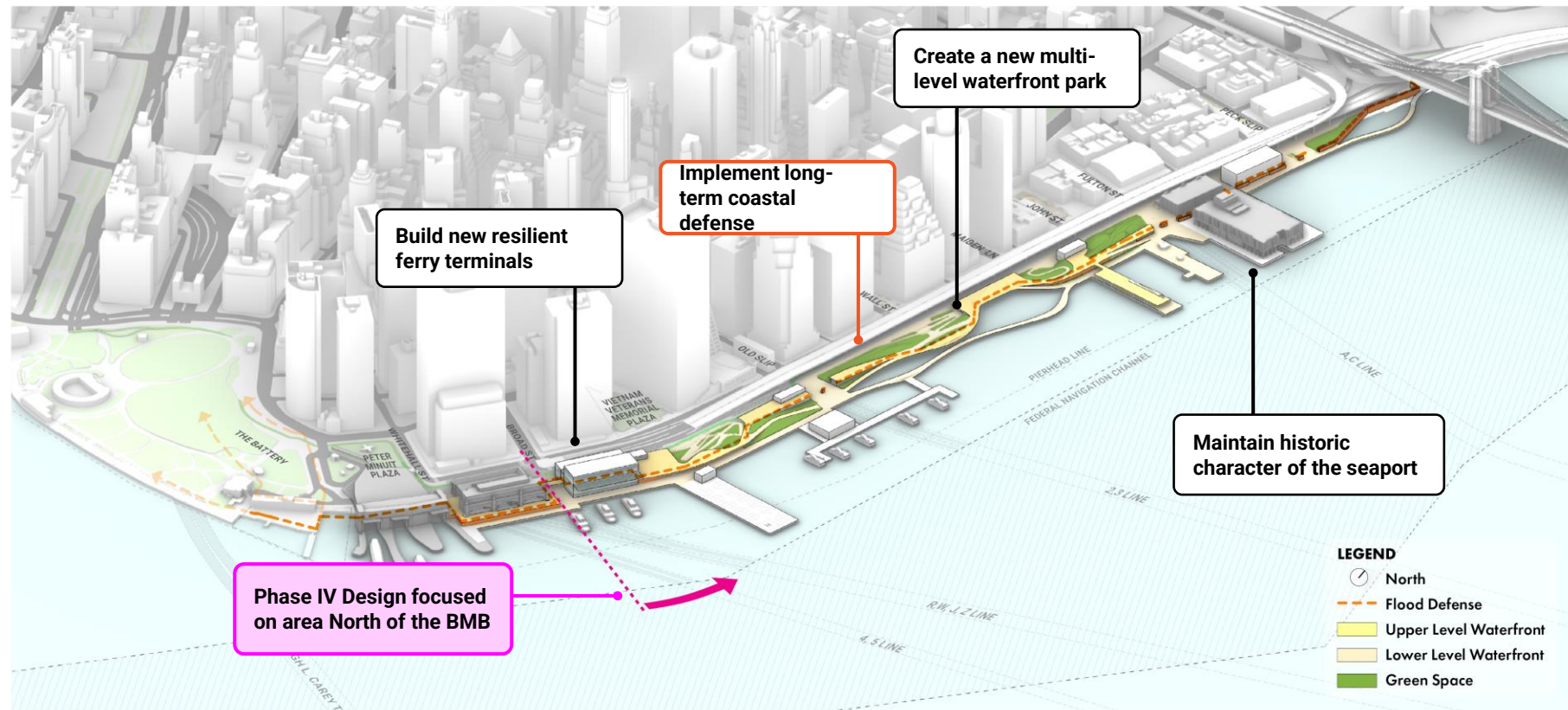




**How has the design evolved since we last met, and what led to those changes?**



In Phase IV, the Master Plan laid out an **early shared vision** for what this waterfront could be in the future, balancing the waterfront's function and experience.





Our updates to the FiDi and Seaport Climate Resilience Plan in **Phase V** focused on **resolving key outstanding design questions**, particularly those related to the project's in-water footprint.



## Stormwater Management

Location of pump station & interceptor connection point needed to **manage stormwater** during and outside of hurricane events



## Maritime Planning

Capacity needs and slip counts for SIF, GIF, and Pier 11 for **resilient ferry terminals**



## Northern Tie-In

Technical feasibility of tying into the Brooklyn Bridge-Montgomery Coastal Resilience Project to create a complete **flood protection compartment**

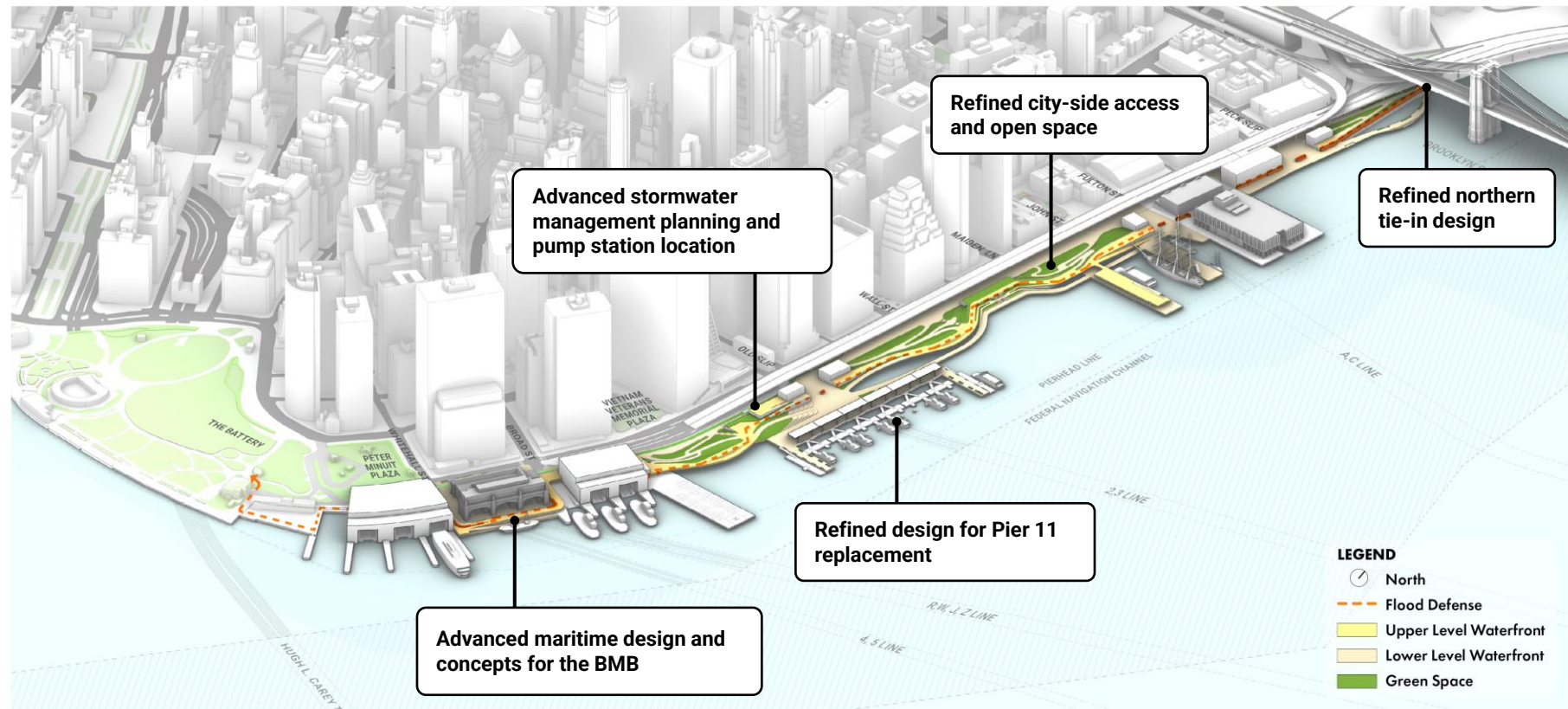


## Access & Circulation

City and waterside access needed to optimize the quality of **open space and circulation**

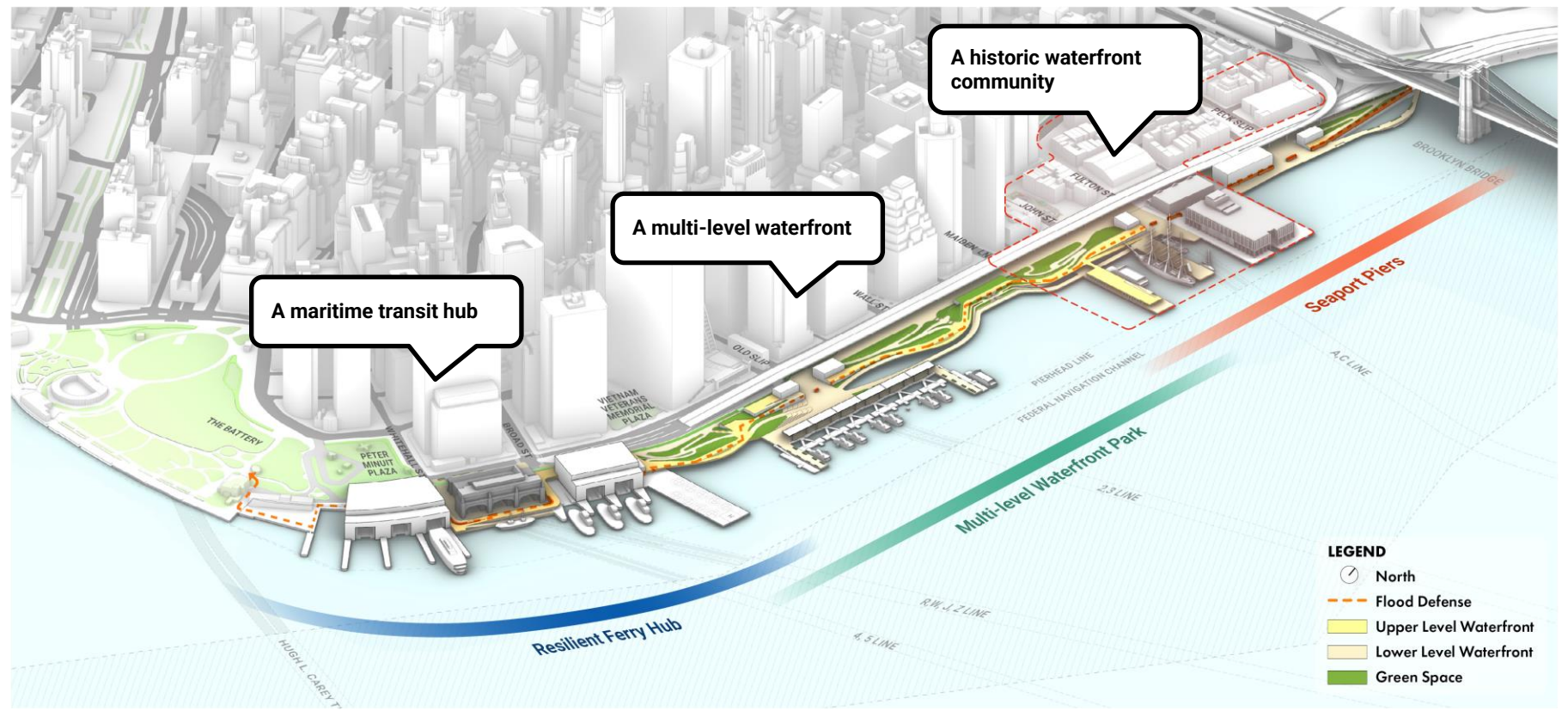


The **current design** updates reflect a **comprehensive, cross-disciplinary study** rooted in engineering and design development and input from stakeholders.





We will integrate resilience infrastructure into **three distinct destinations** along the waterfront, each with shared flood defense solutions & user experiences.





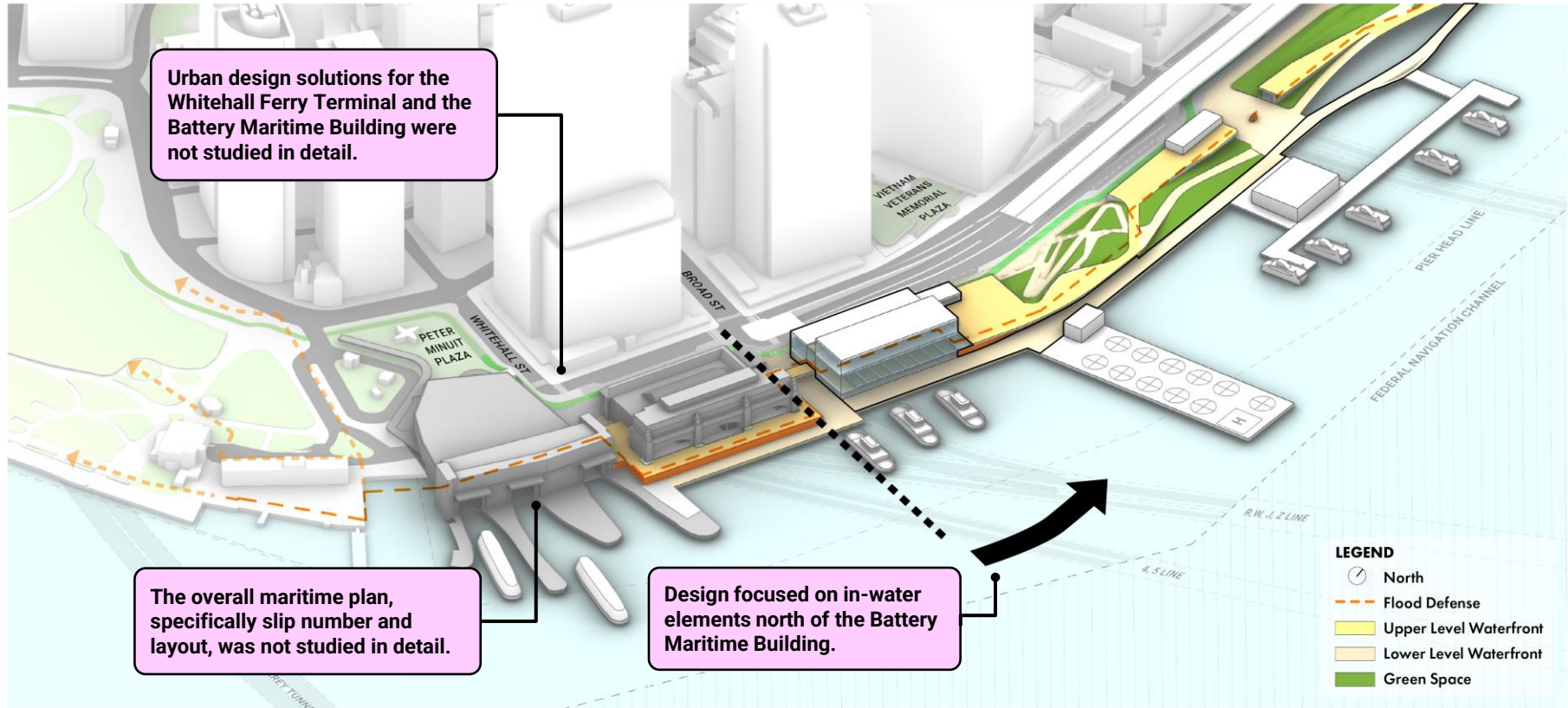
An aerial photograph of Lower Manhattan, New York City, showing the dense cluster of skyscrapers and the surrounding water. The image is overlaid with a semi-transparent teal color. The text is centered over the image.

# **Resilient Ferry Hub**

## **The Battery to Vietnam Veterans Memorial Plaza**

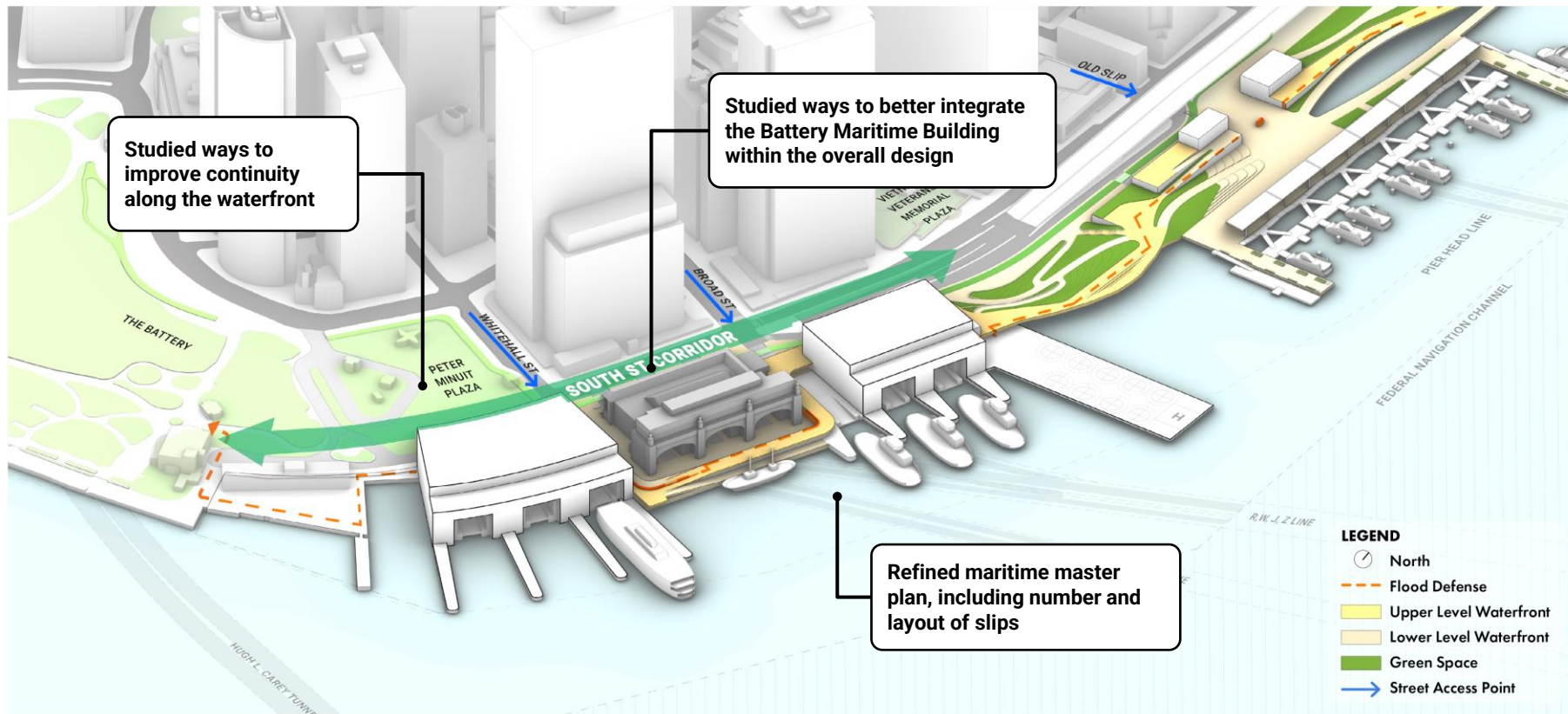


## Phase IV focused on in-water elements north of the Battery Maritime Building.





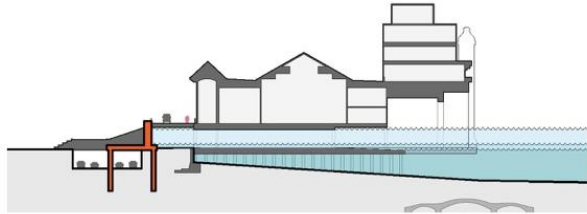
Major adjustments made in **Phase V** centered on refining maritime operations planning and integrating the new terminal designs within the overall project vision.





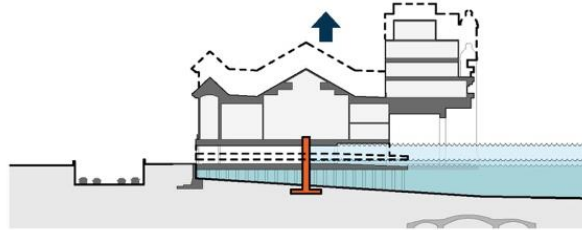
# Alternatives for the **Battery Maritime Building** were also studied extensively.

## Alternatives Studied But Not Selected:



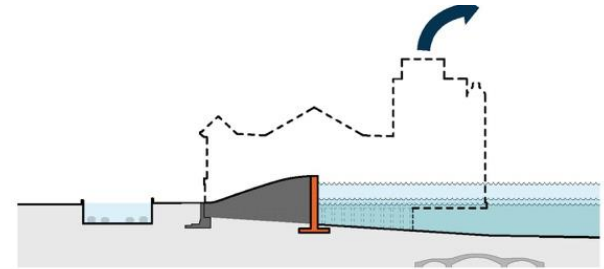
**Inland of the Building:** Locate floodwall upland of the BMB

- ✗ Building would be left unprotected and subject to tidal flooding
- ✗ Significant construction challenges to build floodwall above BPU



**Elevate and integrate with the building:** Elevate the building in place & build floodwall through building

- ✗ Significant feasibility issues with elevating the historic structure over water
- ✗ Majority of building interior would be reconstructed

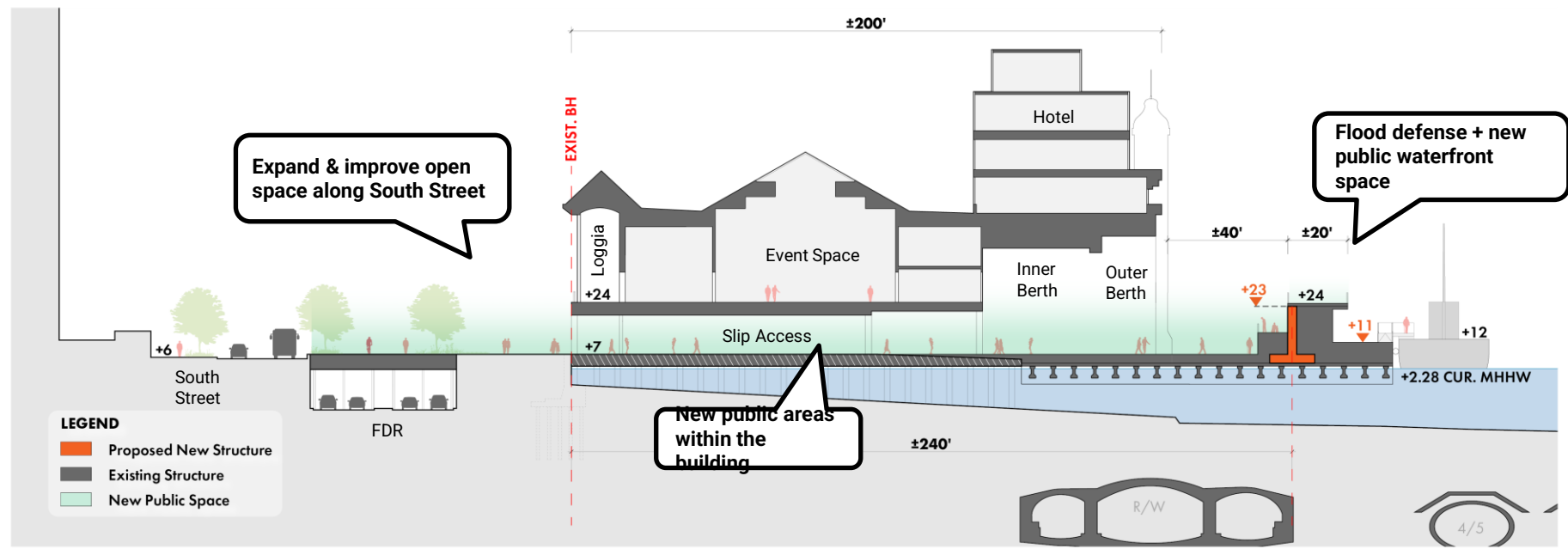


**Move the Building:** Elevate and relocate the building to another location along the waterfront

- ✗ Significant feasibility issues with elevating the historic structure over water
- ✗ No other spaces are available to accommodate the building



The proposed outboard alignment provides opportunities to **re-imagine new public spaces** both in and around the building, while **protecting the landmark Battery Maritime Building** for generations to come.





These **new public spaces** could improve pedestrian safety and create fresh and exciting ways to experience the Battery Maritime Building.



*View of potential new public plaza on South Street*



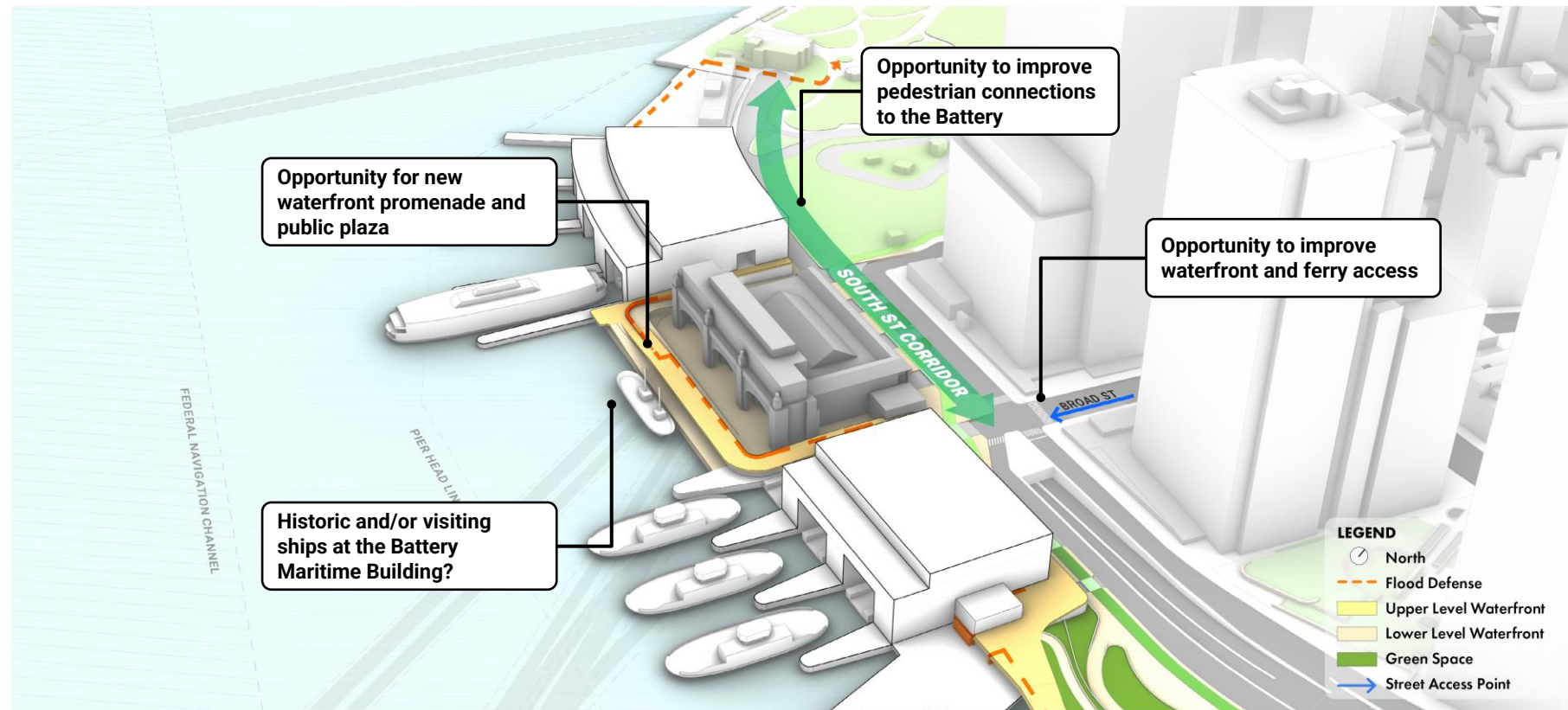
*View of potential new multi-level public waterfront experience on water side of BMB (currently only accessible by ships)*

**DRAFT - exploratory conceptual studies and subject to change.**

CB1 | July 2023



The updated design offers exciting **opportunities** that we will continue to explore in the next phase of work.





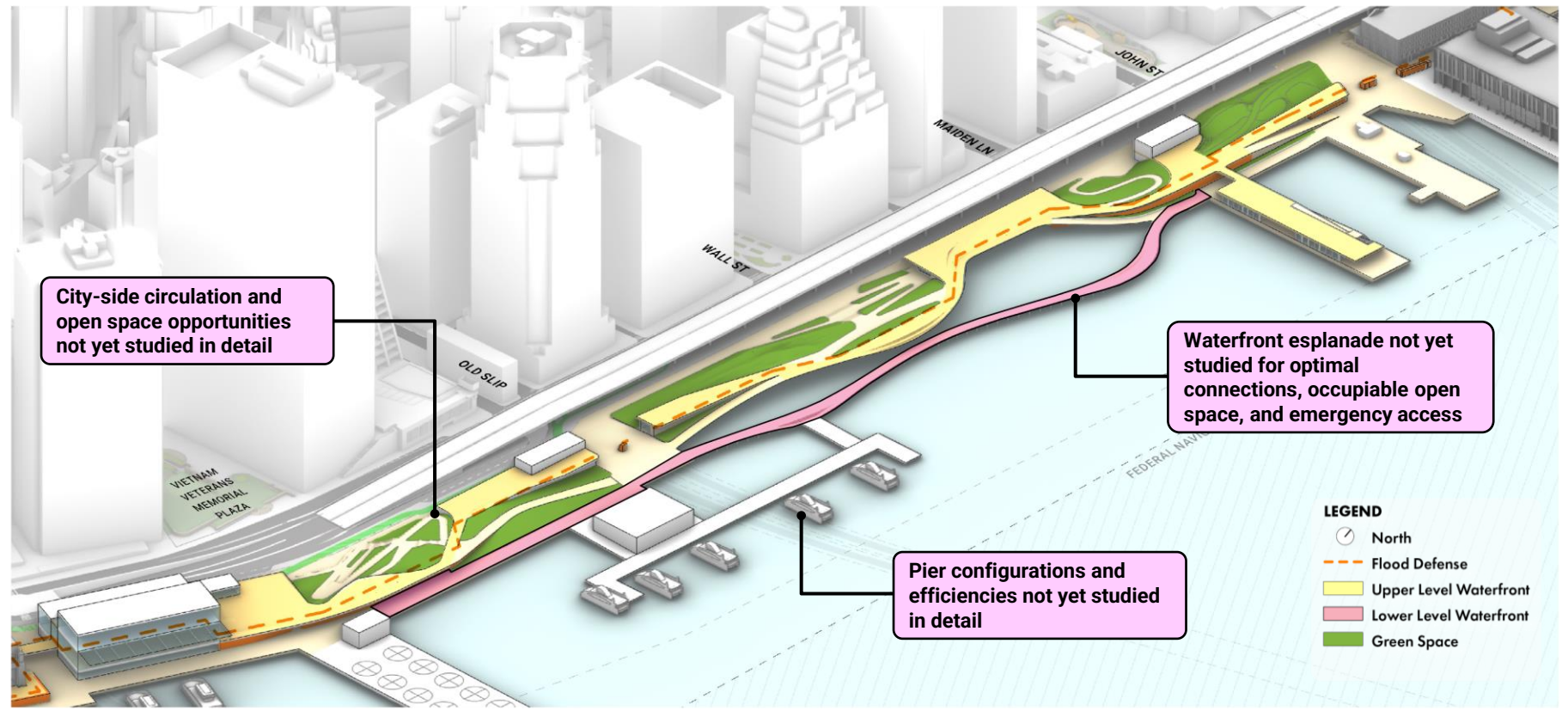
An aerial photograph of Lower Manhattan, New York City, showing a dense cluster of skyscrapers and buildings. The image is overlaid with a semi-transparent teal color. The text is centered over the image.

# **Multi-level Waterfront Park**

**Vietnam Veterans Plaza  
to Maiden Lane**

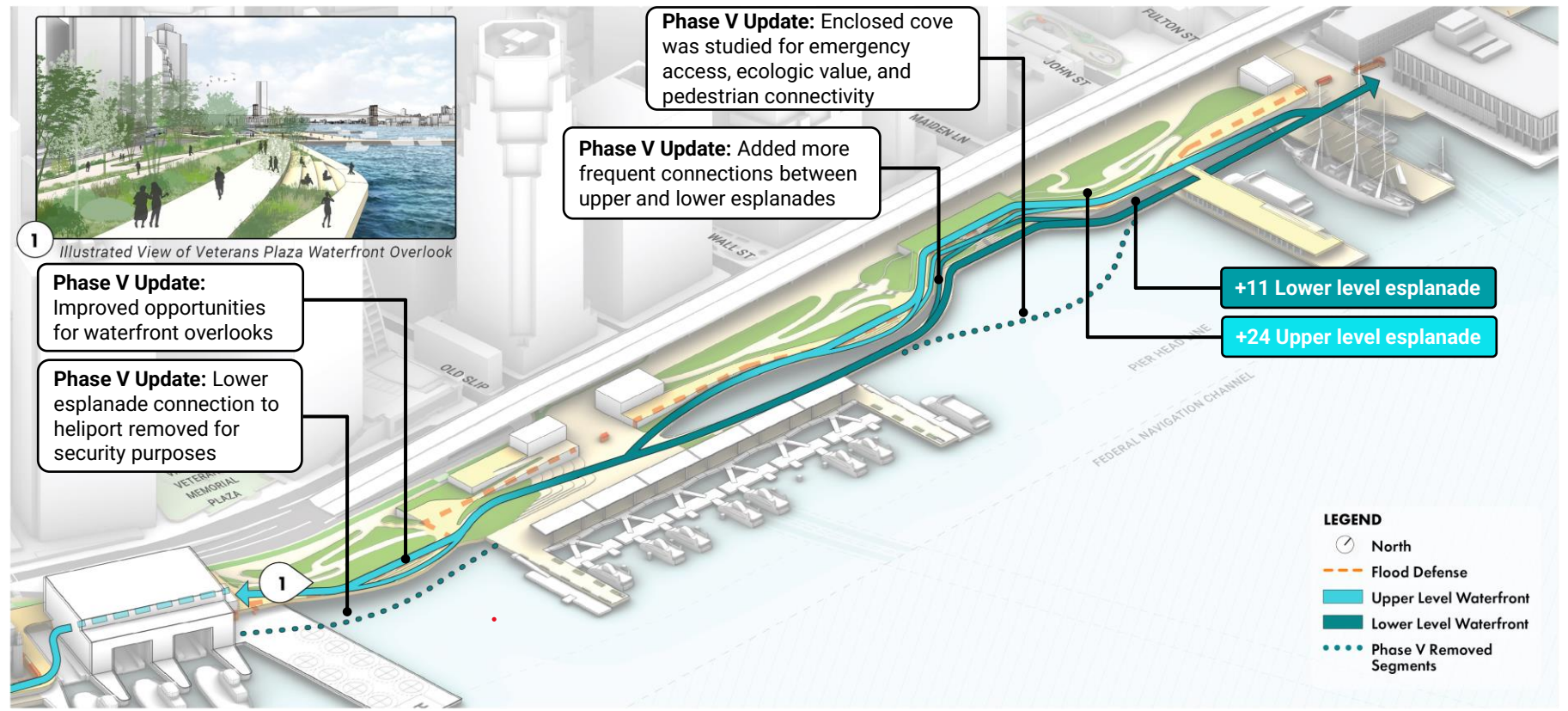


**Phase IV** included preliminary ideas about public access, waterfront esplanades, and Pier 11 ferry service.



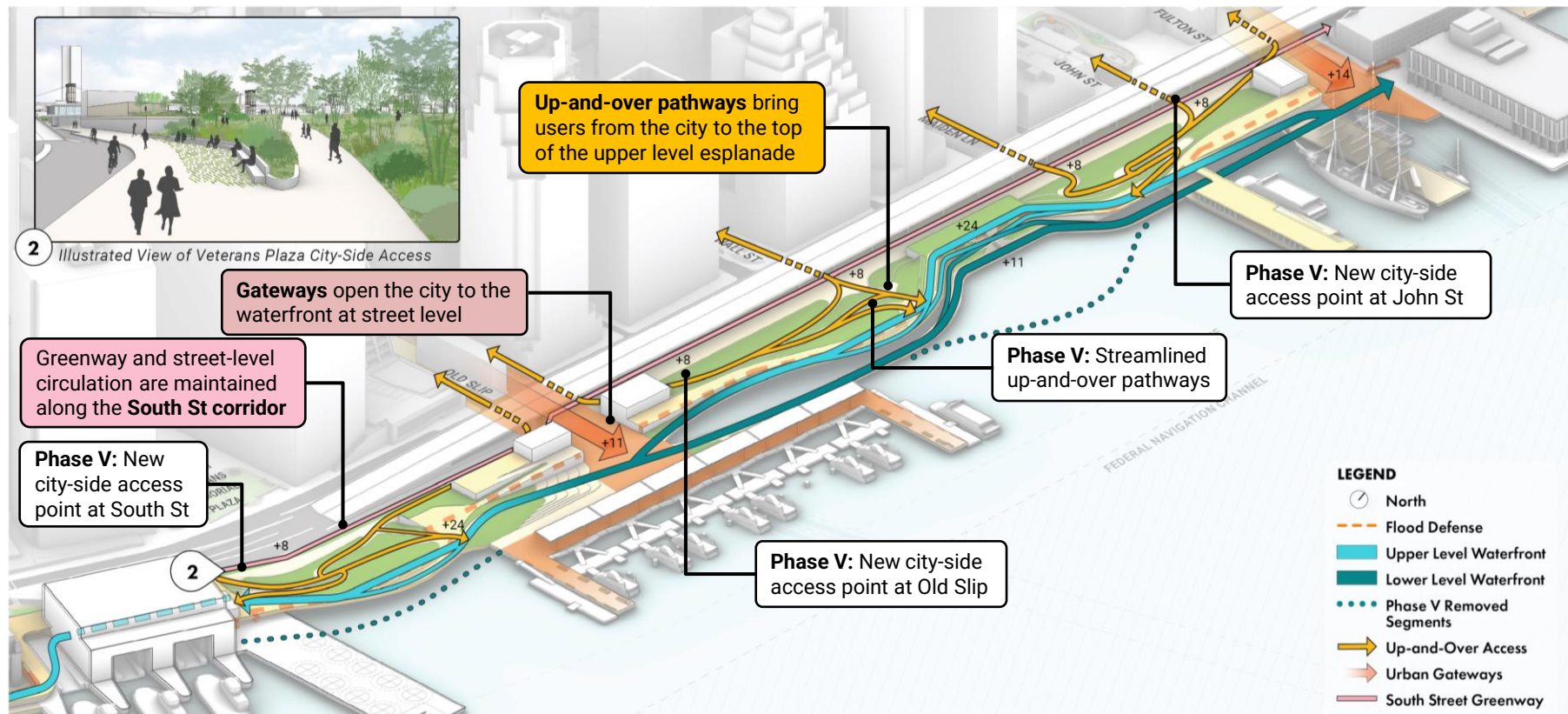


# In Phase V we refined waterfront circulation to enhance the experience along the water and improve emergency access.



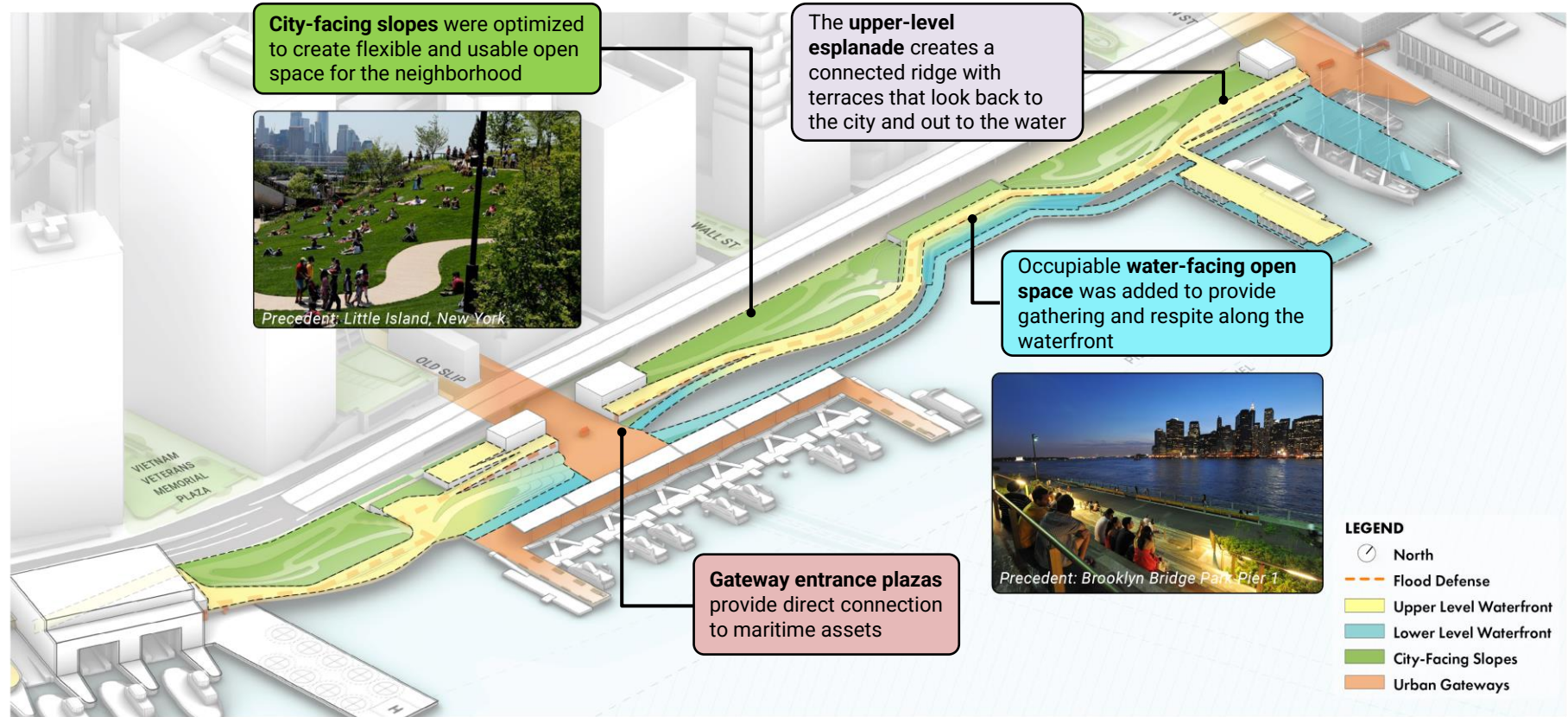


We also **improved access** by introducing new city-side entrances and streamlining up-and-over pathways.





Streamlined circulation allowed us to **make public open space more usable and more flexible**, with an expanded range of both city-side and waterfront experiences.





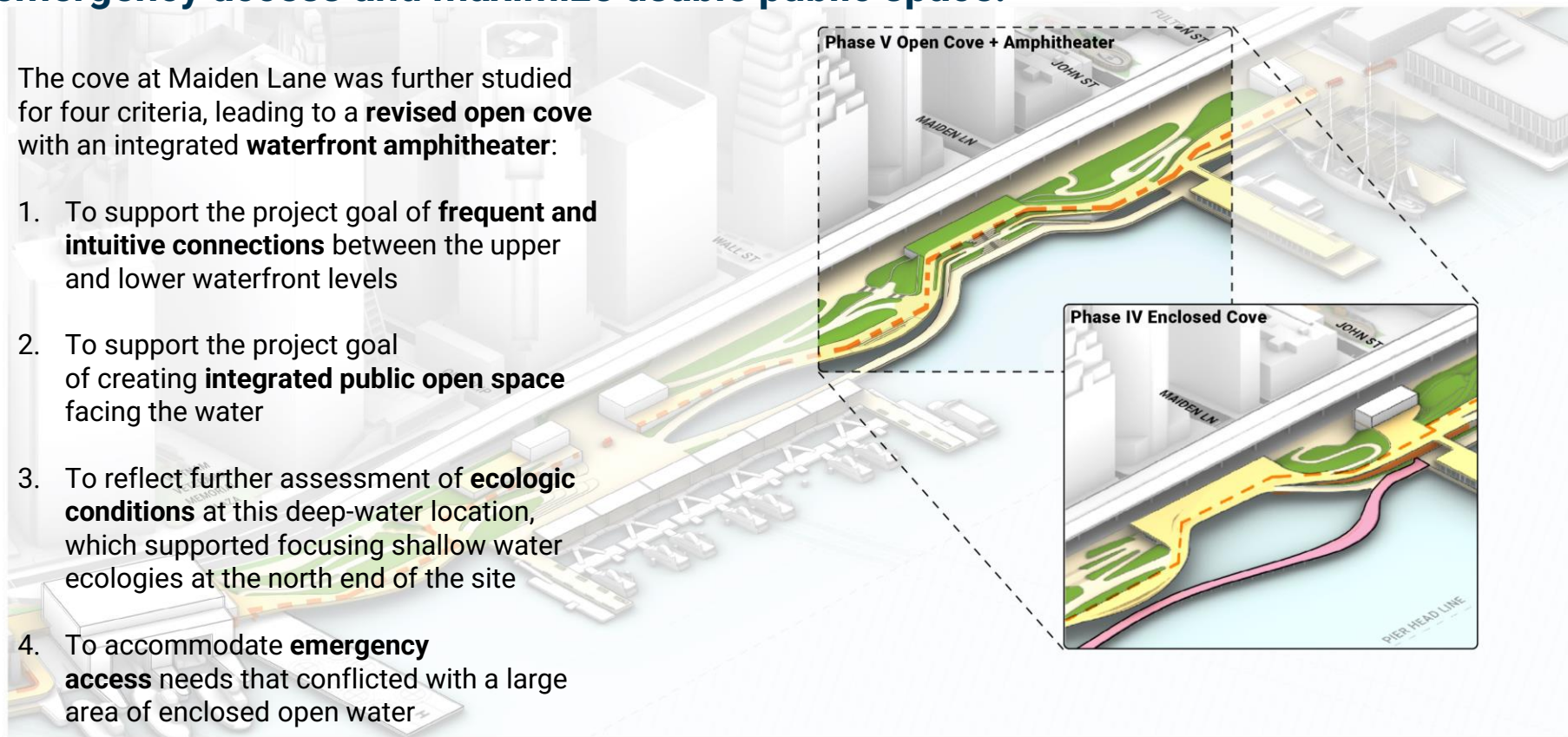
# We refined the configuration of the **waterfront cove at Maiden Lane** to accommodate emergency access and maximize usable public space.

The cove at Maiden Lane was further studied for four criteria, leading to a **revised open cove** with an integrated **waterfront amphitheater**:

1. To support the project goal of **frequent and intuitive connections** between the upper and lower waterfront levels
2. To support the project goal of creating **integrated public open space** facing the water
3. To reflect further assessment of **ecologic conditions** at this deep-water location, which supported focusing shallow water ecologies at the north end of the site
4. To accommodate **emergency access** needs that conflicted with a large area of enclosed open water

Phase V Open Cove + Amphitheater

Phase IV Enclosed Cove





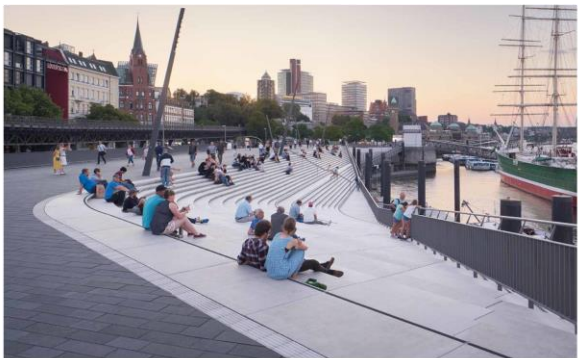
An open cove created an opportunity for **more connections** between the upper and lower esplanades and the addition of an **integrated waterfront gathering space**.



*Illustrated View of Maiden Cove waterfront amphitheater*



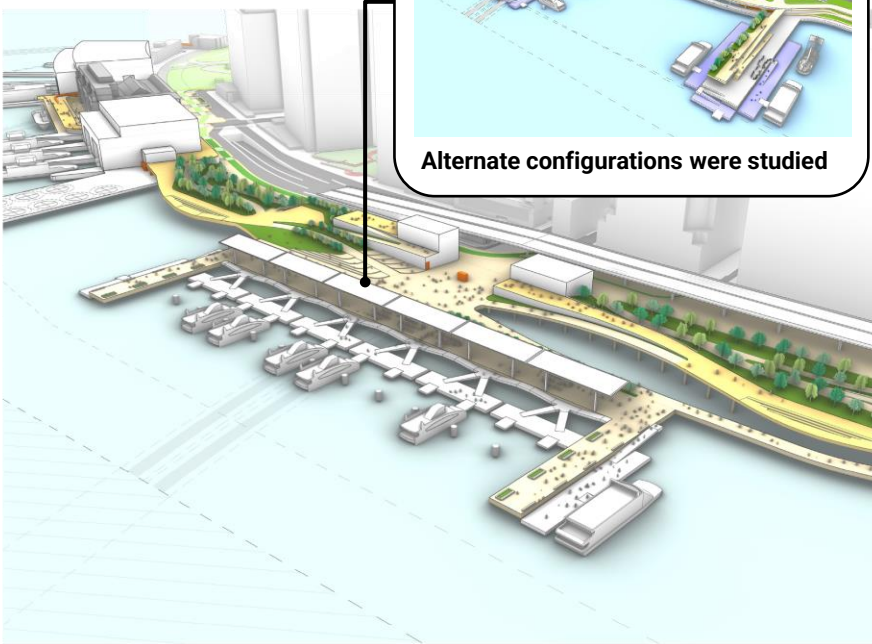
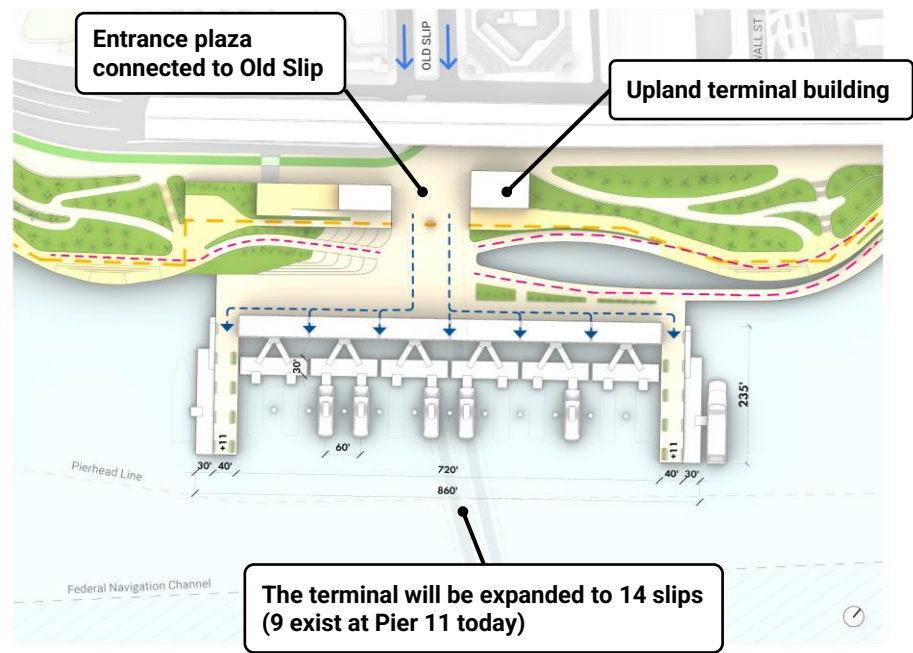
Precedent: Chicago River Walk



Precedent: Niederhafen, Germany



The new City & Regional Ferry Terminal provides an opportunity to improve **operations and passenger experience** while creating an **iconic public space**.







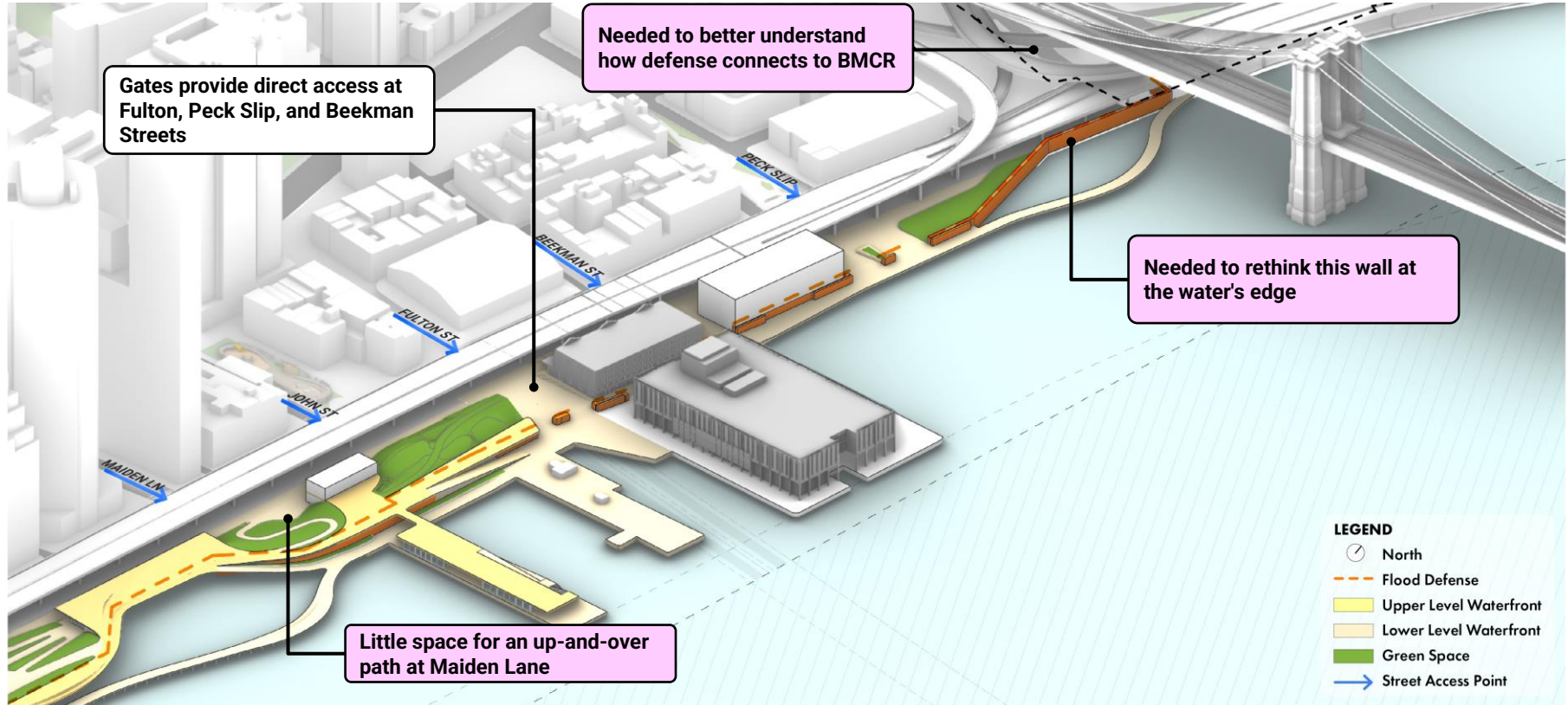
# Seaport Piers

## South Street

## Seaport Waterfront

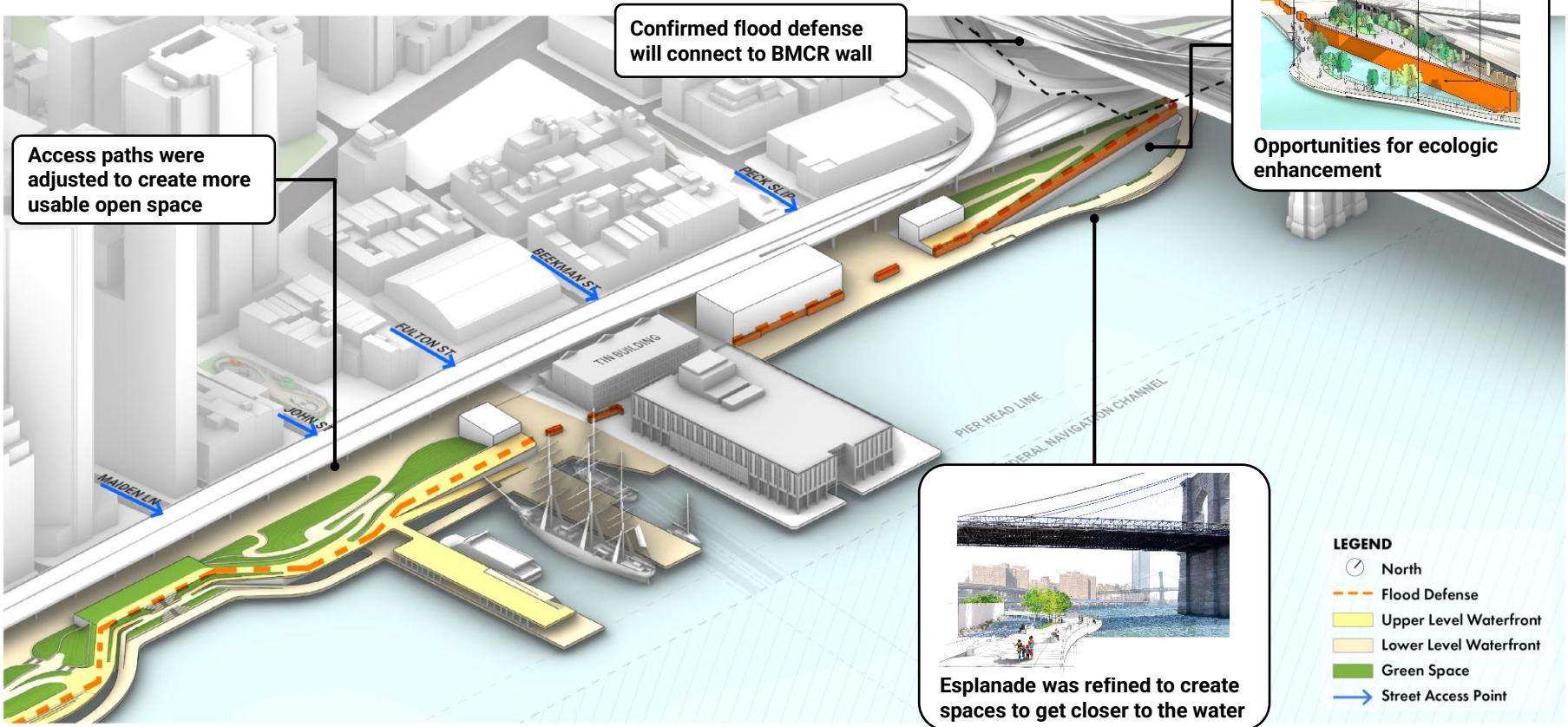


**Phase IV** identified the overall path of the flood defense, flood gate locations, and primary access points to the waterfront.



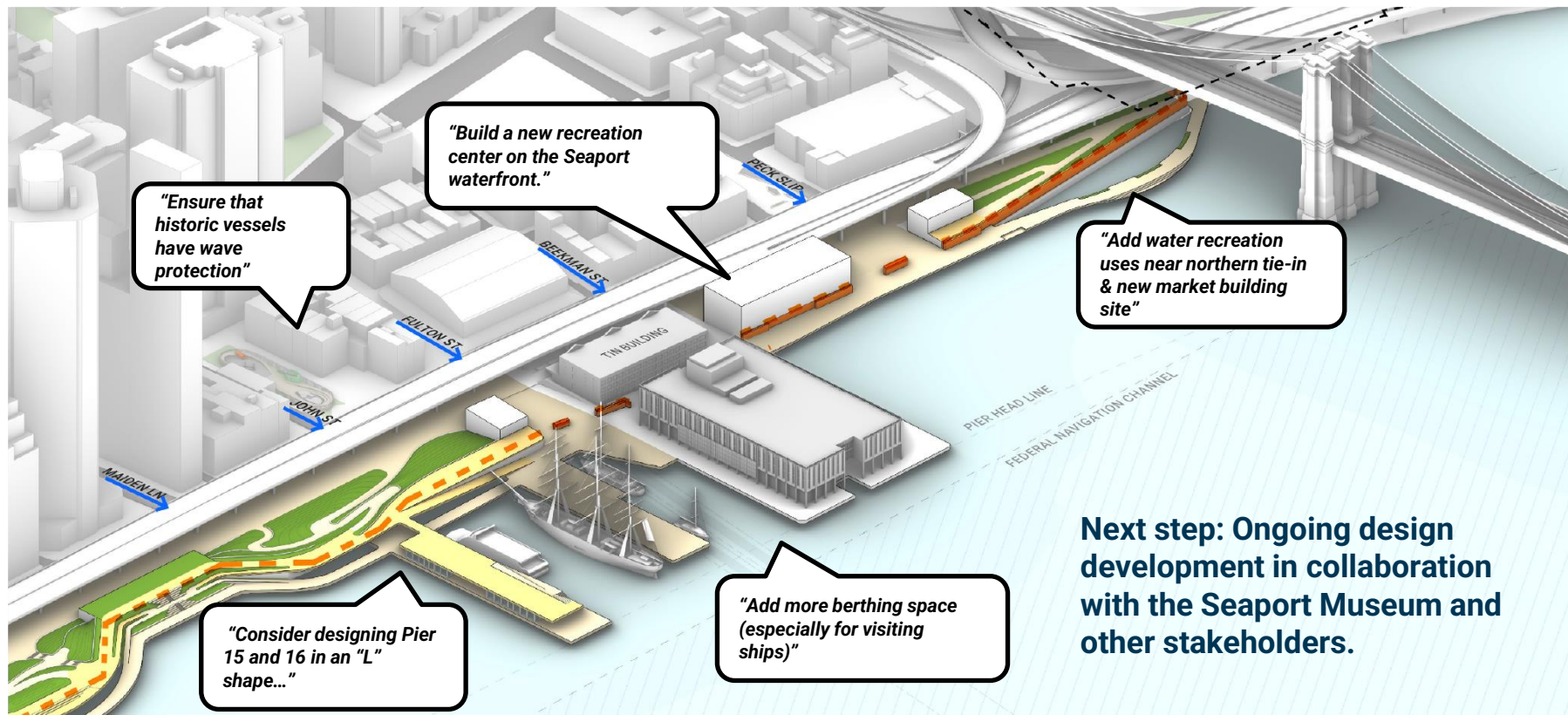


# Major adjustments made in **Phase V** focused on creating more usable open space and opportunities to get closer to the water.



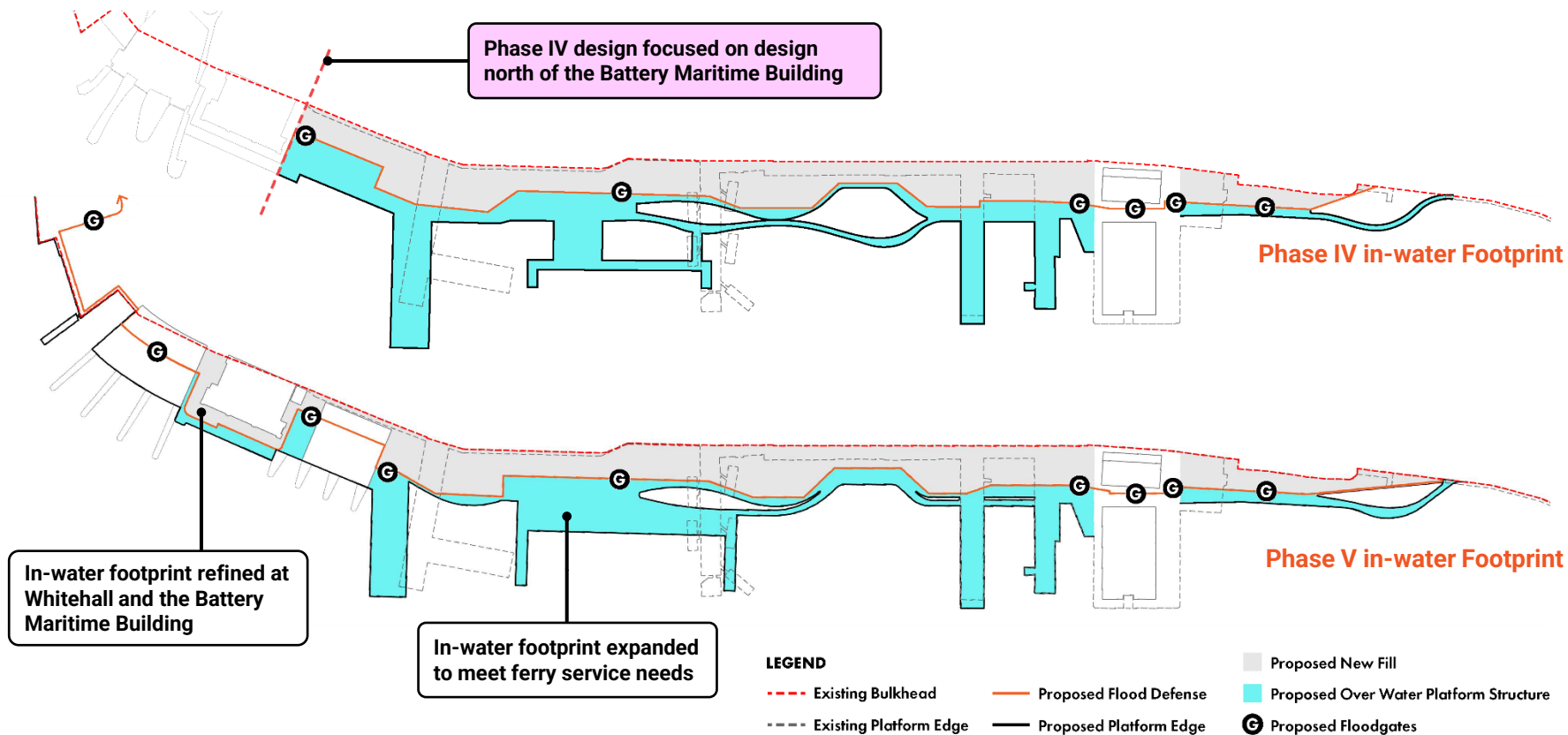


**At our recent Mariners Workshops, we received a significant amount of helpful feedback on pier configurations. We will continue to revise based on this feedback.**



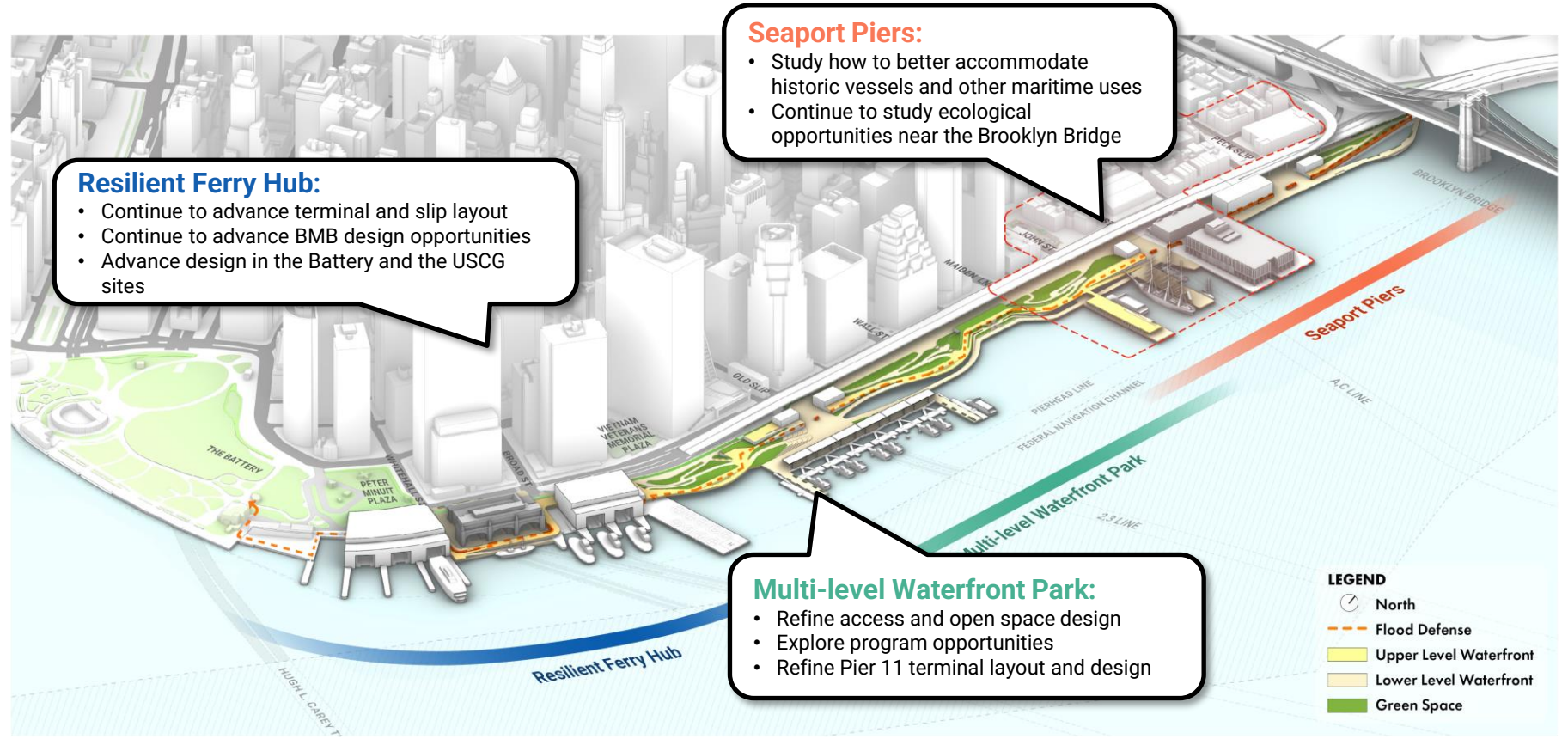


We updated the project's **in-water footprint** in response to Phase V design adjustments, aiding in determining the required overwater fill and coverage.





Based on **input from stakeholders**, we will continue to advance and refine the project's design.



**Resilient Ferry Hub:**

- Continue to advance terminal and slip layout
- Continue to advance BMB design opportunities
- Advance design in the Battery and the USCG sites

**Seaport Piers:**

- Study how to better accommodate historic vessels and other maritime uses
- Continue to study ecological opportunities near the Brooklyn Bridge

**Multi-level Waterfront Park:**

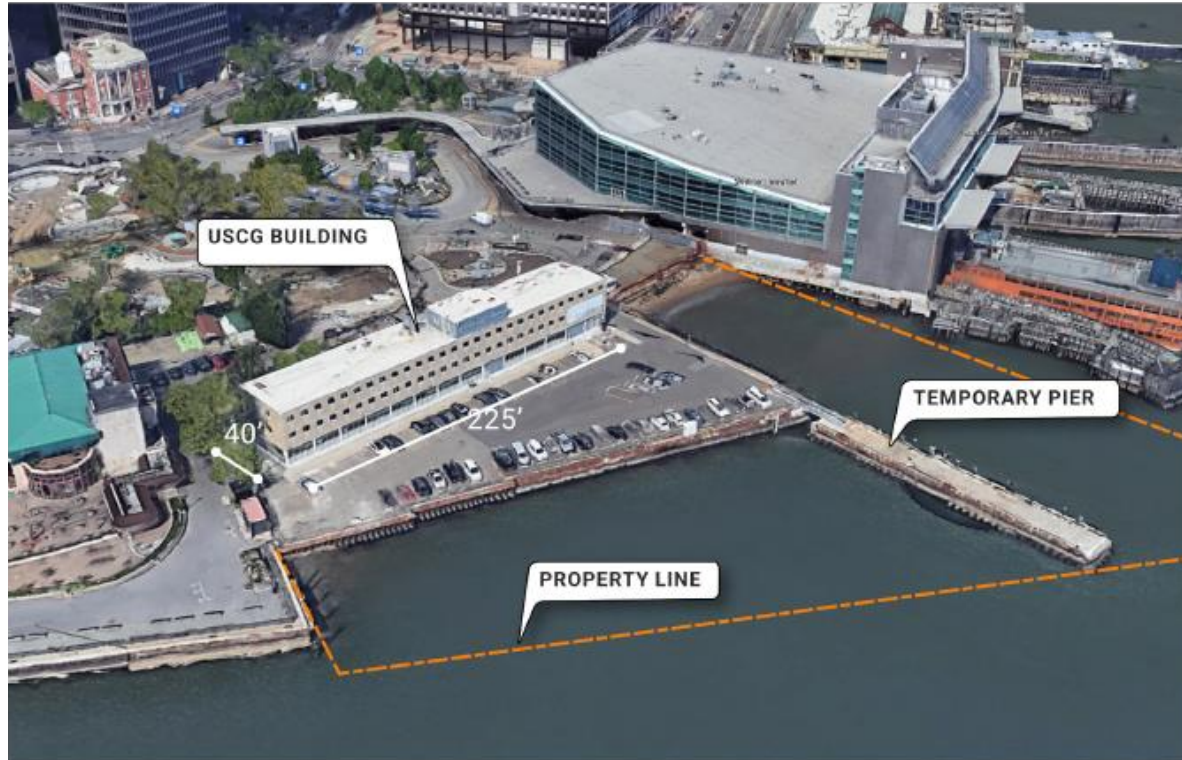
- Refine access and open space design
- Explore program opportunities
- Refine Pier 11 terminal layout and design

**LEGEND**

- North
- - - Flood Defense
- Yellow Upper Level Waterfront
- Light Orange Lower Level Waterfront
- Green Green Space



## Unlocking the **US Coast Guard site** for City use would benefit the project and the community.



The Federal government owns waterfront property between Whitehall Ferry Terminal and Battery Park, and it is operated by USCG. The City is currently in discussions with USCG to coordinate on an alignment for flood protection.



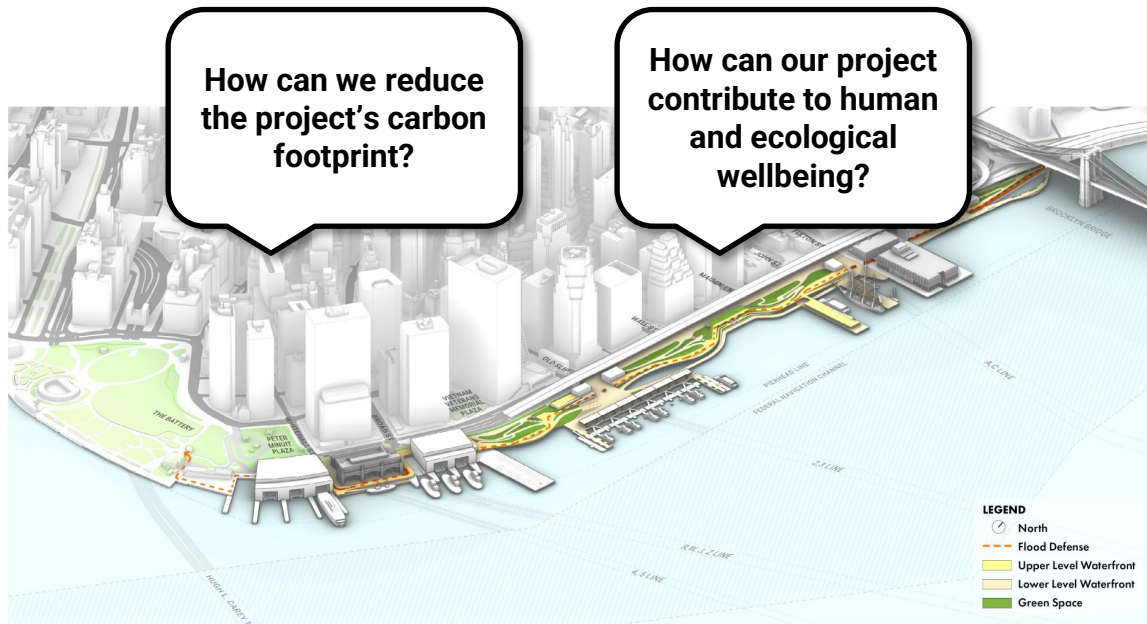
**How are we thinking about sustainability and making this site net-zero?**



**The FiDi & Seaport Climate Resilience Plan is committed to advancing city and statewide sustainability targets, including reducing carbon emissions 80% by 2050.**

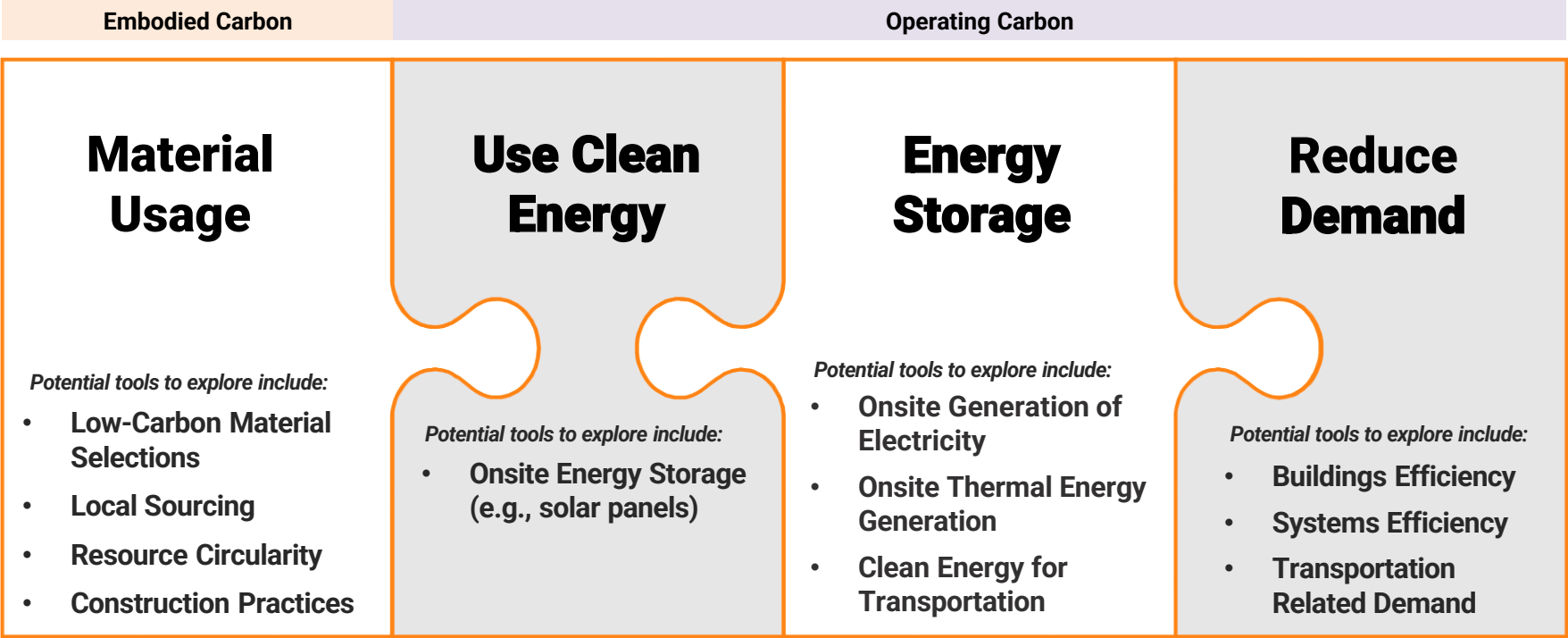
## Goals of the Plan:

1. The plan should strive to be **as carbon neutral as possible** through both the construction and operations phases.
2. The plan **should incubate new and emerging sustainability and energy practices and technologies** for wider deployment elsewhere in the city





We've built a toolkit to explore opportunities to **reduce the project's carbon footprint.**





## The objectives for our next phase of work will advance our goal to be as carbon neutral as possible.

- **Develop Energy Baseline** – develop a preliminary understanding of the energy usage and carbon footprint of the site, including both embodied and operating carbon.
- **Complete design studies to further explore opportunities and aspirations** – work with the design team in phase VI to explore sustainability studies (i.e., stormwater management, potable water management, urban heat island, and biodiversity) as well as energy footprint reduction studies (e.g., low carbon ferry provisions).
- **Develop Sustainability Management Plan** – begin to outline a living sustainability management plan based on work completed to date.
- **Further explore material sourcing** - including both the availability of local material sources and carbon footprint of transit, as well as opportunities to use local recycled materials (e.g., glass) as part of the design.



# Implementation



**Implementing this project will require securing approvals, seeking multiple funding sources, and timely construction. We've made progress on all these fronts during this phase of work.**



### Regulatory

- Continued to coordinate with key agencies (inclu. EPA, DOS, NOAA, USCG, USACE, and DEC) through the Aquatic Resources Advisory Committee



### Construction

- Advanced design to better understand potential in-water footprint
- Anticipated design of in-water/shoreline structures and maritime facilities



### Funding and Financing

- Developing updated phasing strategy and cost estimates
- Continued to explore range of new and existing funding sources and implementation strategies
- Applications in for additional federal grants to advance design of stormwater elements
- Ongoing delivery coordination with the U.S. Army Corps of Engineers



# Next Steps



## What's coming next?

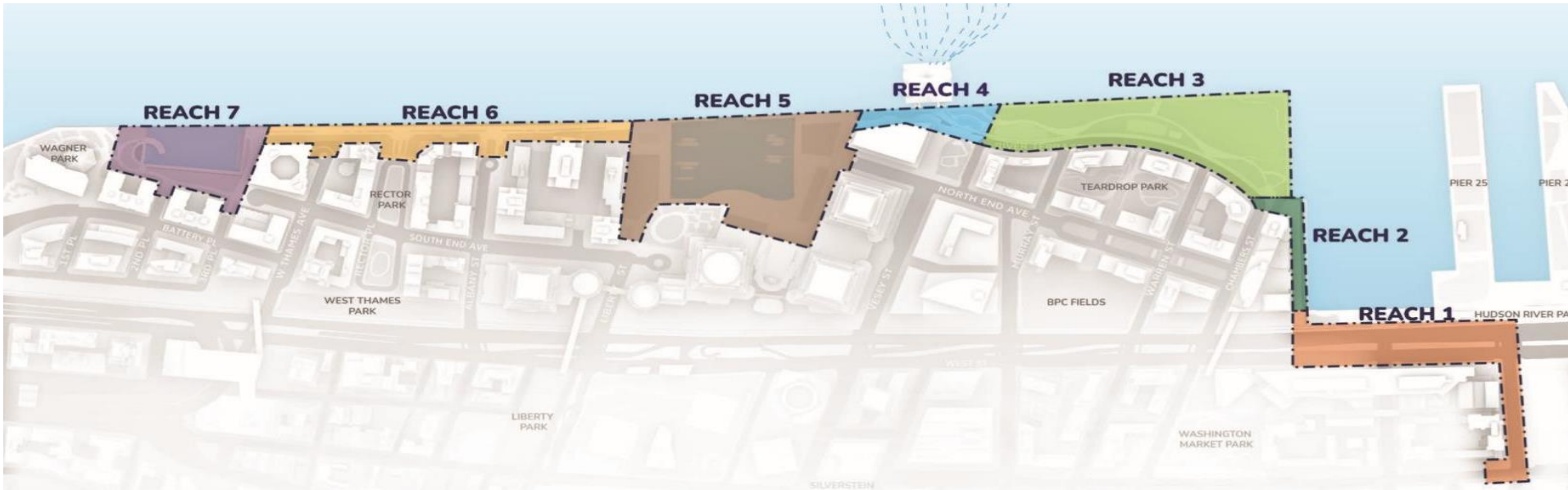
- Continued **stakeholder meetings** with community-based organizations (CBOs)
- **Community engagement events** this summer aimed at **broadening the coalition**
- A **Public Open House** also in September 2023 to share our updated designs and energy & sustainability strategy with the broader public
- Our **next Climate Coalition of Lower Manhattan Meeting (CCLM #9)** in Fall/Winter 2023, focused on how we're working to implement this project

Please reach out to the FiDi and Seaport Climate Resilience team with additional questions and comments by email at [FiDiSeaportClimate@edc.nyc](mailto:FiDiSeaportClimate@edc.nyc)



# North/West Battery Park City Resiliency

- 30% Design Milestone – June 2023
- Drawings under review with agencies for comment – June – August 2023



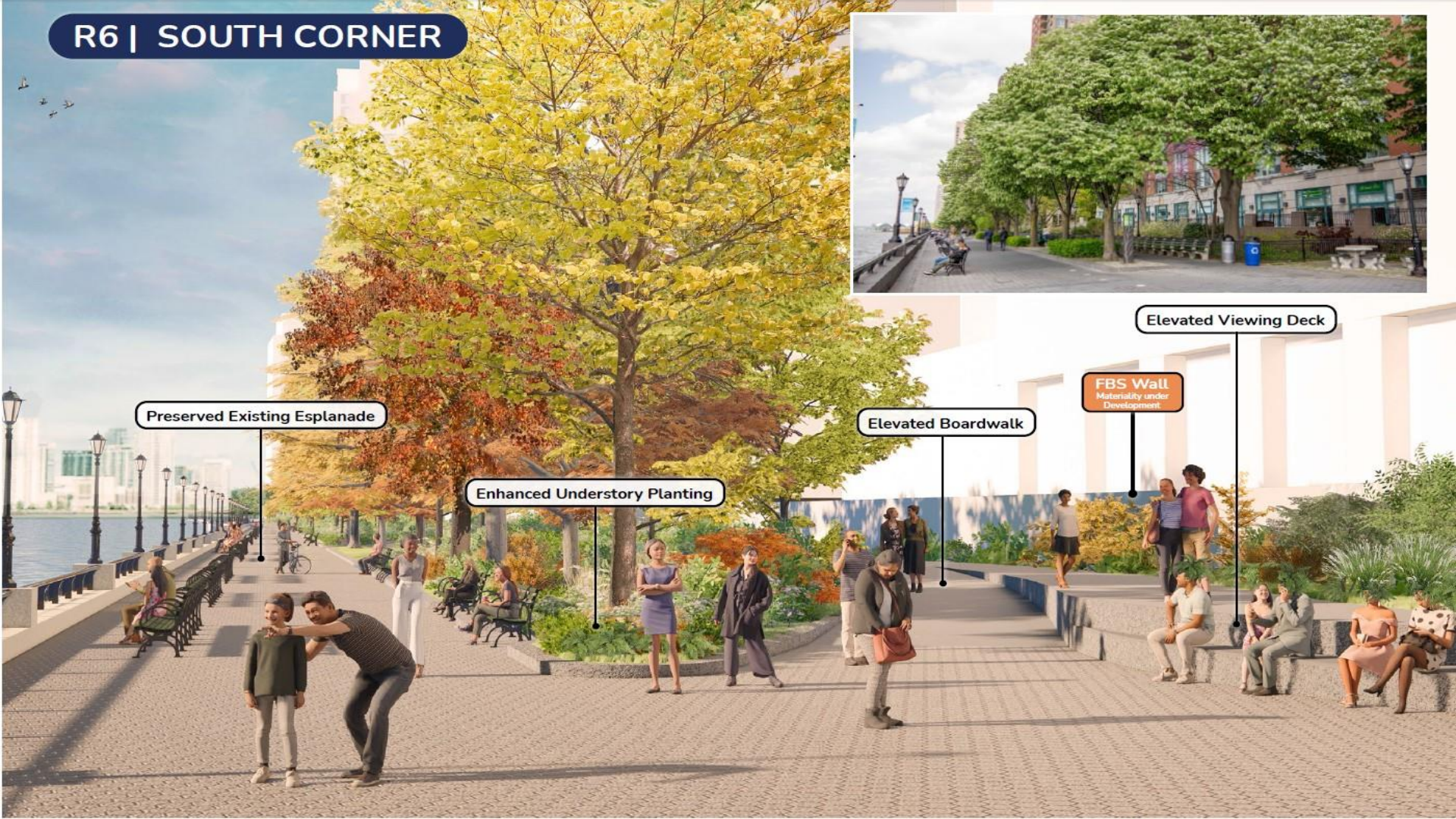


## R5 | WATERFRONT PLAZA





# R6 | SOUTH CORNER



Preserved Existing Esplanade

Enhanced Understory Planting

Elevated Boardwalk

FBS Wall  
Materiality under  
Development

Elevated Viewing Deck



## R7 | VIEW ALONG RAMP TO ESPLANADE

Reconstructed Pier with In-Water Habitat Treatments

New Planting Along Floodwall



Top of Wall:  
+19.5'

FBS Wall  
Materiality under  
Development

Educational Opportunity  
On Habitat Elements

+13'

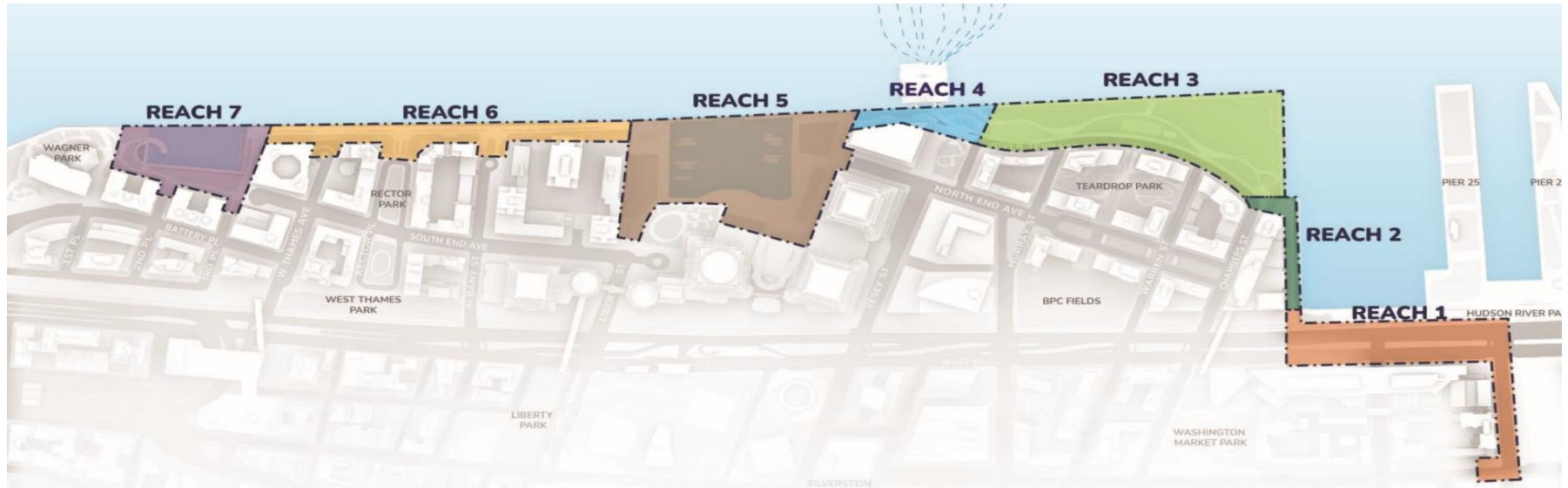
+7'





# North/West Battery Park City Resiliency - Public Engagement to Date

- Project Kickoff: June 2021
- Public Meeting #1 – August 4, 2021
- Public Meeting #2 - December 16, 2021
- Public Walkshops: - October & November 2021
- Public Meeting #3 (Open House) – June 2022
- Public Meeting #4 - September 2022
- Reach Workshop – Belvedere and Rockefeller - February 8, 2023
- Reach Workshop – Tribeca and North Esplanade – February 16, 2023
- Reach Workshop – South Esplanade and South Cove - March 6, 2023
- Reach Workshop – North Cove – March 14, 2023
- Public Meeting #5 (30% Design) – June 26, 2023





# South Battery Park City Resiliency

## Construction

- **Phase 1: MJH & Wagner Park Site/Pavilion:**
  - Construction Underway
- **Phase 2: Pier A/Battery/Interior Drainage:**
  - Contractor engaged
  - Expected construction start – Fall 2023
- **Project Construction Completion:** Early- to Mid-2025  
(2-Year Duration)





# South Battery Park City Resiliency – Construction Updates

- Permanent construction fencing (April 2023)
- Contractor/CM site mobilization (May 2023).
- Demolition/clearing of project site (May/June 2023)
- Installation of pavilion piles (July/August 2023)
- Test pits/selective demolition at First Place (August 2023)
- Installation of sheetpiles for floodwall in Wagner Park ( August/September 2023)





# South Battery Park City Resiliency

Questions and feedback about SBPCR can be sent to:

Rick Fogarty  
Community Construction  
Liaison (917) 624-5409  
[sbpcrinfo@bpca.ny.gov](mailto:sbpcrinfo@bpca.ny.gov)

*or by mail:*

Battery Park City  
Authority 200 Liberty  
Street, 24th Floor New  
York, NY 10281  
att: South BPC Resiliency Project Team





# Stage 1: Early Construction & Site Preparation

Oct 2022 to June 2023 (8 Months)

## OPEN TO THE PUBLIC

- Playscape
- SeaGlass Carousel
- Battery Bikeway
- Battery Woodland
- Urban Farm
- Bosque Fountain
- Castle Clinton & Statue of Liberty Ferry
- Monuments
- Food Kiosks/Restaurant
- Restrooms (3)

## CLOSED TO THE PUBLIC

- Portion of Wharf
- Portion of Gardens of Remembrance
- Portion of Oval Lawn

Action Items - This Stage			
	Project	Timeframe	Duration
①	Battery Wharf & Fender Repairs	Oct 2022 - June 2023	8 months
②	Early Plant Salvage	Apr 2023	1 week
③	LMCR - Battery Early Demo & Salvage Work	June 2023	4 weeks
④	LMCR - Battery Staging and Storage Area	June 2023 - June 2026	25 months

COMPLETE  
COMPLETE  
COMPLETE  
UNDERWAY

### NOTES:

1. DATES ESTIMATED AS OF JULY 2023.
2. FERRY OPERATIONS TO THE STATUE OF LIBERTY TO BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

### Legend

- |                       |  |                                   |                     |                     |
|-----------------------|--|-----------------------------------|---------------------|---------------------|
| BATTERY WHARF REPAIRS | EARLY PLANT SALVAGE  | STAGING AND STORAGE AREA          | FERRY OPERATIONS    | PUBLIC RESTROOM     |
| CONTAINMENT BOOM      | LMCR - BATTERY EARLY DEMOLITION & SALVAGE AREA/ LMCR - BATTERY | CONSTRUCTION VEHICLE ACCESS ROUTE | PEDESTRIAN ENTRANCE | AREA OPEN TO PUBLIC |



## Stage 2: Interim NPS Tent Construction

July 2023 to Dec 2023 (8 Months)

### OPEN TO THE PUBLIC

- Playscape
- SeaGlass Carousel
- Battery Bikeway
- Battery Woodland
- Urban Farm
- Bosque Fountain
- Castle Clinton & Statue of Liberty Ferry
- Monuments
- Food Kiosks/Restaurant
- Restrooms (3)

### CLOSED TO THE PUBLIC

- Portion of Wharf
- Portion of Gardens of Remembrance
- Portion of Oval Lawn

Action Items - This Stage			
	Project	Timeframe	Duration
④	LMCR - Battery Staging and Storage Area	June 2023 - June 2026	25 months
⑤	SBPCR Project	Fall 2023 - Early/Mid 2025	20 months
⑥	Interim NPS Tent Construction	July 2023 - Nov 2023	6 months
⑦	Water Taxi Demobilization	Nov 2023	4 weeks
⑧	NPS Tent at Castle Clinton De-Construction	Nov 2023 - Dec 2023	3 weeks

UNDERWAY

UNDERWAY

#### NOTES:

1. DATES ESTIMATED AS OF JULY 2023.
2. FERRY OPERATIONS TO THE STATUE OF LIBERTY TO BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
3. FERRY OPERATIONS TO SHIFT TO SLIP 2 JULY 2023.

#### Legend

	LMCR - BATTERY STAGING AND STORAGE AREA		SBPCR STAGING AREA		INTERIM NPS TENT CONSTRUCTION WORK AREA		NPS TENT AT CASTLE CLINTON DE-CONSTRUCTION AREA		BIKE ROUTE DETOUR		PEDESTRIAN ENTRANCE		AREA OPEN TO PUBLIC
	SBPCR WORK ZONE		SBPCR CONSTRUCTION GATE		WATER TAXI DEMOBILIZATION		CONSTRUCTION VEHICLE ACCESS ROUTE		FERRY OPERATIONS		PUBLIC RESTROOM		



# Stage 3: LMCR - Battery Phase 1 Construction

Dec 2023 to July 2025 (21 Months)

## OPEN TO THE PUBLIC

- Playscape
- SeaGlass Carousel
- Rerouted Bikeway
- Battery Woodland
- Urban Farm
- Bosque Fountain
- Castle Clinton & Statue of Liberty Ferry
- Monuments
- Food Kiosks/Restaurant
- Restrooms (3)

## CLOSED TO THE PUBLIC

- Wharf
- Gardens of Remembrance
- Portion of Oval Lawn

Action Items - This Stage			
	Project	Timeframe	Duration
4	LMCR - Battery Staging and Storage Area	June 2023 - June 2026	25 months
5	SBCPR Project	Fall 2023 - Early/Mid 2025	20 months
9	LMCR - Battery Phase 1 Construction	Dec 2023 - Mar 2025	15 months
10	NYC DOT Resiliency Project	Jan 2024 - Dec 2025	24 months
11	NYC Parks Field House Renovation	Aug 2024 - Jan 2026	18 months
12	NPS Tent at Castle Clinton Re-Construction	Mar 2025 - June 2025	3 months
13	Interim NPS Tent De-Construction	June 2025 - July 2025	3 weeks

### NOTES:

1. DATES ESTIMATED AS OF JULY 2023.
2. FERRY OPERATIONS TO THE STATUE OF LIBERTY TO BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

### Legend

- SBCPR WORK ZONE
- SBCPR STAGING AREA
- SBCPR CONSTRUCTION GATE
- LMCR - BATTERY PHASE 1 WORK AREA
- LMCR - BATTERY STAGING AND STORAGE AREA
- NYC DOT RESILIENCY PROJECT SURFACE WORK AREAS
- NYC PARKS FIELD HOUSE RENOVATION WORK AREA
- NPS TENT AT CASTLE CLINTON RE-CONSTRUCTION AREA
- INTERIM NPS TENT DE-CONSTRUCTION WORK AREA
- CONSTRUCTION VEHICLE ACCESS ROUTE
- CONTAINMENT BOOM
- FERRY OPERATIONS
- BIKE ROUTE DETOUR
- PEDESTRIAN ENTRANCE
- PUBLIC RESTROOM
- AREA OPEN TO PUBLIC



# Stage 4: LMCR - Battery Phase 2 Construction

July 2025 to June 2026 (11 months)

## OPEN TO THE PUBLIC

- Playscape
- SeaGlass Carousel
- Rerouted Bikeway
- Battery Woodland
- Urban Farm
- Bosque Fountain
- Castle Clinton & Statue of Liberty Ferry
- Monuments
- Food Kiosks
- Restrooms (3)

## CLOSED TO THE PUBLIC

- Portion of Wharf
- Portion of Gardens of Remembrance
- Portion of Oval Lawn

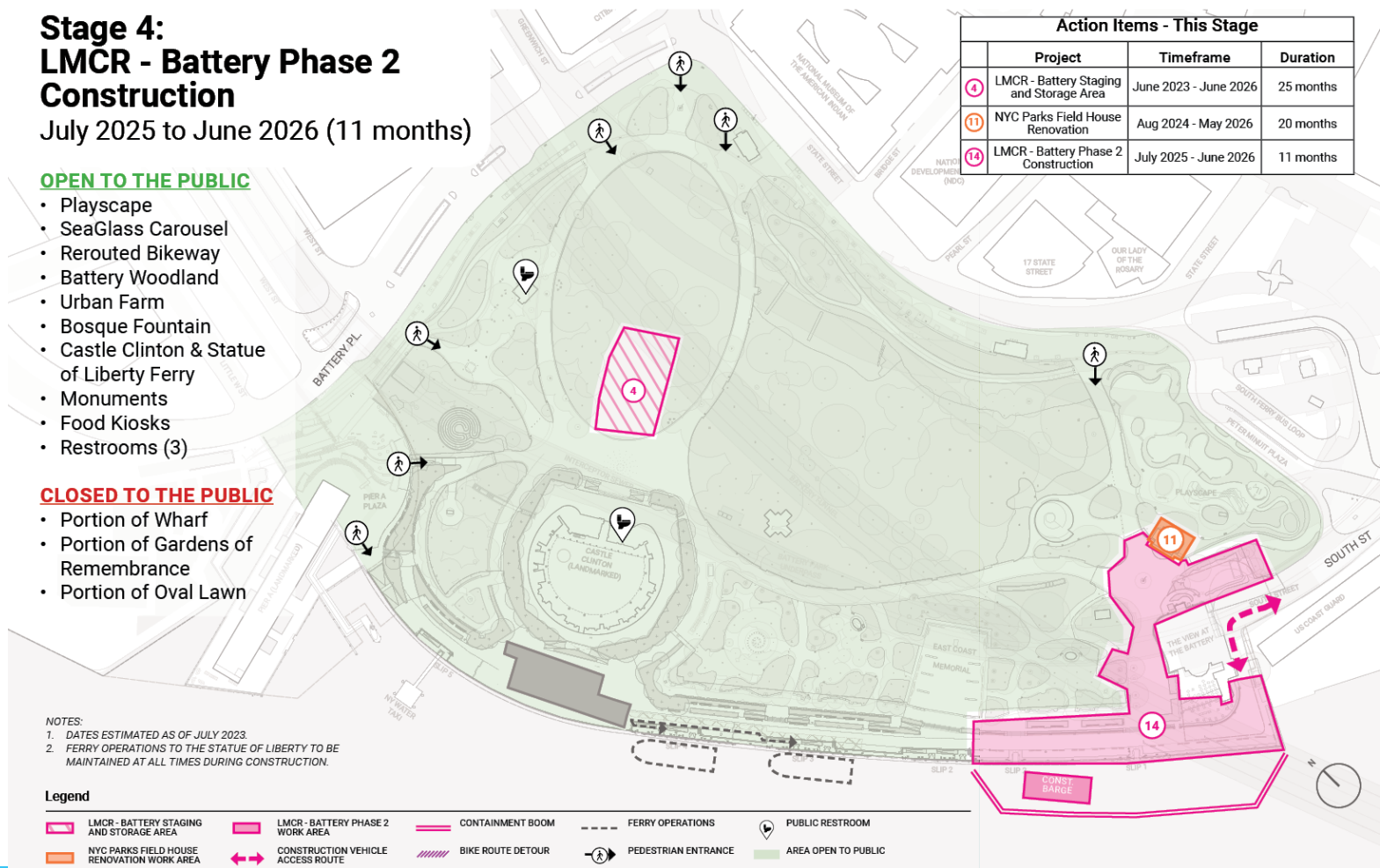
Action Items - This Stage			
	Project	Timeframe	Duration
4	LMCR - Battery Staging and Storage Area	June 2023 - June 2026	25 months
11	NYC Parks Field House Renovation	Aug 2024 - May 2026	20 months
14	LMCR - Battery Phase 2 Construction	July 2025 - June 2026	11 months

### NOTES:

1. DATES ESTIMATED AS OF JULY 2023.
2. FERRY OPERATIONS TO THE STATUE OF LIBERTY TO BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

### Legend

- |  |                                   |                   |                     |                     |
|--|-----------------------------------|-------------------|---------------------|---------------------|
| LMCR - BATTERY STAGING AND STORAGE AREA    | LMCR - BATTERY PHASE 2 WORK AREA  | CONTAINMENT BOOM  | FERRY OPERATIONS    | PUBLIC RESTROOM     |
| NYC PARKS FIELD HOUSE RENOVATION WORK AREA | CONSTRUCTION VEHICLE ACCESS ROUTE | BIKE ROUTE DETOUR | PEDESTRIAN ENTRANCE | AREA OPEN TO PUBLIC |





For any questions please visit our website.

<https://on.nyc.gov/3sJosr2>

Or email at

[info@batterycoastalresilience.com](mailto:info@batterycoastalresilience.com)



# Brooklyn Bridge-Montgomery Coastal Resilience Construction Update

## CB1 Environmental Protection Committee

### 1 Centre Street AND Virtual Meeting

### July 24, 2023





# Highlights

- Project Status
- Project Timeline
- Esplanade Access
- Community Resources



# BMCR | Project Status

ALL WORK IS SUBJECT TO CHANGE

## Current Activities

- Water Main upgrades
- Utility Relocation & Upgrades
- Esplanade pavement removal
- Floodgate foundation excavation

## Upcoming Activities

- Micropile installation
- Seepage barrier excavation
- Jet grout seepage barrier

## Coordination

- ESCR—PC and PA1 Construction, Utility Work Coordination
- Ongoing coordination with DOT and Parks to maintain safe, greenway access



Excavation for floodgate foundation



Water main removal

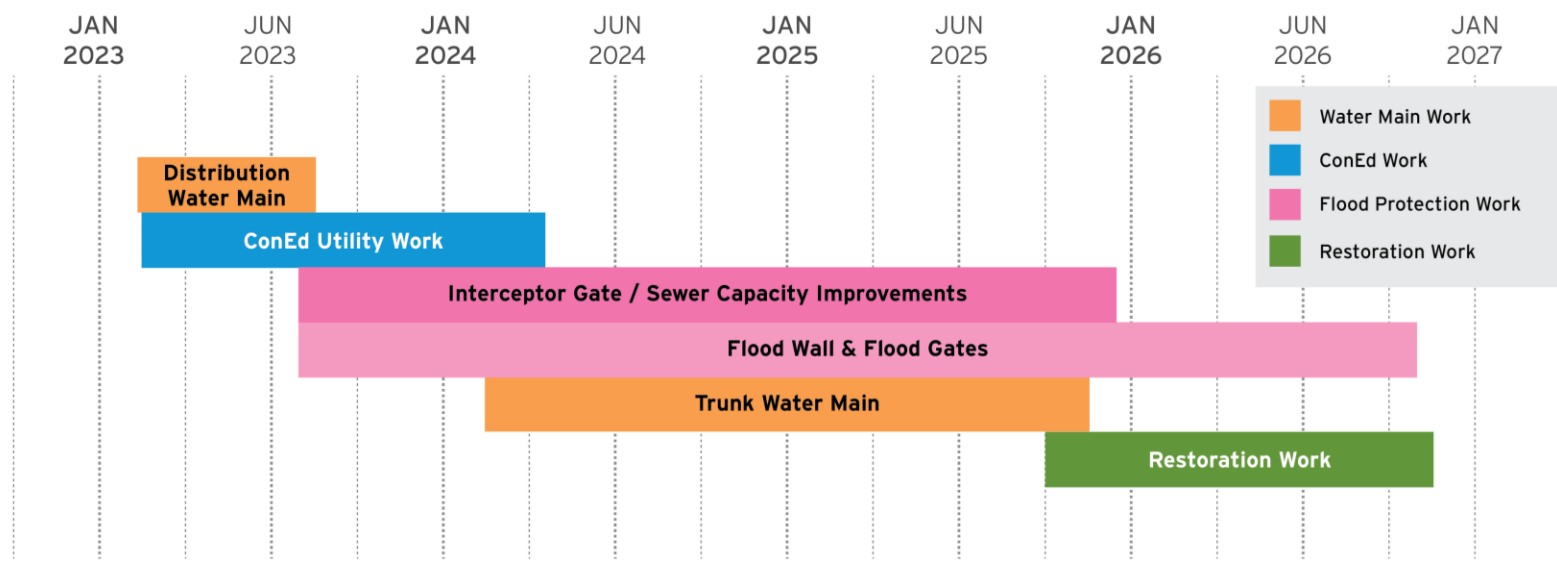


Gas main installation



# BMCR | Project Timeline

ALL WORK IS SUBJECT TO CHANGE



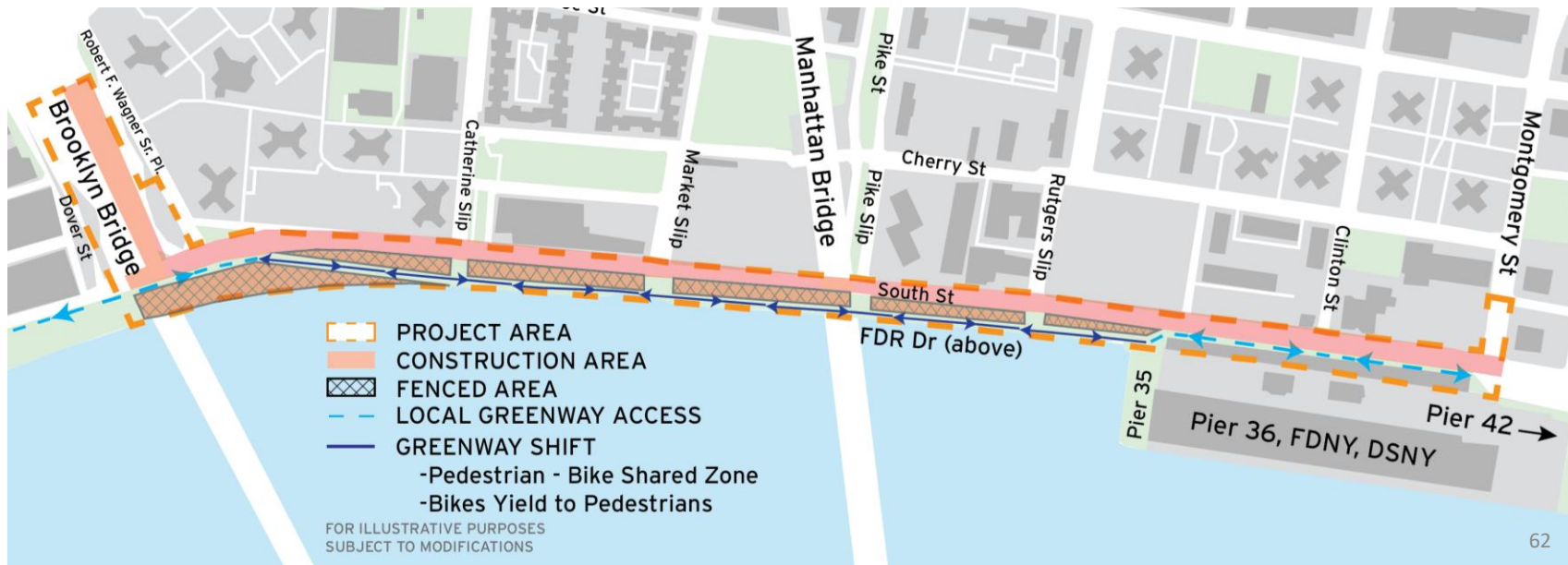
Subject to change  
For illustrative purposes



# BMCR | Esplanade Access

ALL WORK IS SUBJECT TO CHANGE

- New fencing on esplanade under FDR installed the week of June 19, 2023, to facilitate reconstruction of esplanade and installation of flood protection. To remain in place until substantial completion in 2026.
- Waterfront shared bike-pedestrian path will always be maintained with exits at every block
- Emergency vehicle access and access to Pier 35 will be maintained
- Pier 42 amenities include: basketball half courts, soccer field, tennis courts, and exercise equipment





# BMCR | Resources

- Visit Us:

<https://www.nyc.gov/bmcr>

- Community Construction Liaison:

- Marsha Guido

347-538-4266

Email: [bmcr.ccl@gmail.com](mailto:bmcr.ccl@gmail.com)

- Tabling in the Community

- CB 3 Parks Meetings

- Newsletters:

<https://www.nyc.gov/site/lmcr/progress/newsletters.page>

- On-site signage

- Inquiry tool (coming soon!)



Tabling event  
April 12, 2023



Advisories posted on-site

**NYC Lower Manhattan Coastal Resiliency** 311 | Search all NYC.gov websites

**NYC Lower Manhattan Coastal Resiliency** Русский | Select Language | Text-Size

Background Progress Resources Get Involved Search

## Brooklyn Bridge-Montgomery Coastal Resilience

**Brooklyn Bridge-Montgomery Coastal Resilience**

**The Battery Coastal Resilience**

**Interim Flood Protection Measure (IFPM)**

**Battery Park City Resilience Projects**

**The Financial District and Seaport Climate Resilience Master Plan**

**Seaport Coastal Resilience**

**Explore the headings below for more information about BMCR and the status of construction:**

Learn more about the NYCEDC design phase: [NYCEDC LMCR](#)

The same waterfront that the community enjoys when weather is good...

...transforms into critical flood protection during major flooding events.

**Learn More about BMCR**

- About
- Construction Notices
- Presentations
- Newsletters
- Gallery
- Community Engagement
- Contact
- FAQs







# What is Seaport Coastal Resiliency? (SPCR)

**Creating a more resilient Seaport by addressing sea level rise, drainage risks, and improved waterfront access**

- To address climate risks in this area, this project proposes raising the shoreline 3-5 feet in the area from the Brooklyn Bridge to Imagination Playground
- As part of the federal grant application process, early project scoping also includes potential esplanade improvements, ecological enhancements, and green infrastructure to address stormwater management
- The design will be determined once we move further along into the design process and have a Design Consultant onboard

## Engagement & Next Steps:

- BRIC Award Formally Received from FEMA – Review Process Starting
- Design Team procurement of design team to be completed by Q3 of 2023
- When design work begins, project team to regularly coordinate with and seek input from the CB and continue to share updates via quarterly LMCR briefings





# Project Timelines

(Est. Dates as of July 2023)

Project	100% Design	Procurement	Construction Start	Construction Complete						
					'23	'24	'25	'26	'27	'28
Brooklyn Bridge–Montgomery Coastal Resilience	Complete	Complete	Underway	Fall 2026	<div></div>					
South Battery Park City Resiliency	Complete	Complete	Underway	Early/Mid 2025	<div></div>					
The Battery Coastal Resilience	Complete	Underway	Underway	Summer 2026	<div></div>	<div></div>				
North/West Battery Park City Resiliency	April 2024	Complete	Mid/Late 2024	Late 2027	<div></div>		<div></div>			
Seaport Coastal Resilience	2025	Winter 2025	Winter 2026	Winter 2028	<div></div>			<div></div>	<div></div>	
FiDi-Seaport Master Plan	Underway	TBD	TBD	TBD	<div></div>					



# Opportunities for Community Engagement

Project	Community Engagement Opportunities
BMCR	Ongoing Construction Updates & Communication
The Battery	Ongoing Construction Updates & Communication
Battery Park City	South BPC: Ongoing Construction Updates & Communication North/West BPC: ongoing conversations around design
Seaport Coastal Resilience	Upcoming meetings and design workshops in 2023/2024
FiDi-Seaport Master Plan	CBO Meetings, workshops, and individual briefings (as requested)